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THERAPEUTIC COMPOUNDS

This application claims priority under 35 U.S.C. § 119(e) to United States Application No. 60/720,151, filed September 23, 2005, No. 60/723,115, filed October 3, 2005, No. 60/725,469, filed October 11, 2005, No. 60/762,256, filed January 25, 2006, and No. 60/821,664, filed August 7, 2006, all of which are hereby incorporated by reference in their entirety.

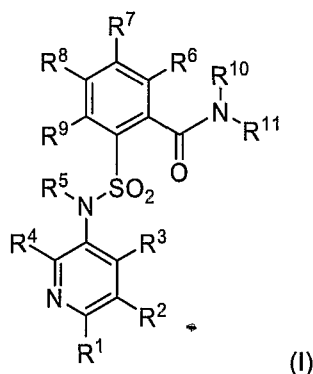
BACKGROUND

The cytochrome P450 (CYP450) enzyme system is responsible for the biotransformation of drugs from active to inactive metabolites that are readily excreted by the body. Furthermore, the rapid metabolism of certain drugs by the CYP450 enzyme system can markedly alter their pharmacokinetic (PK) profile and can result in sub-therapeutic plasma levels of those drugs over time. In the area of anti-infective therapy, such as treating viral infections such as human immunodeficiency virus (HIV) infections, such sub-therapeutic drug plasma levels can lead to an increase in resistance of the virus.

Ritonavir (RTV) is a marketed HIV protease inhibitor (PI) that, due to its ability to inhibit the cytochrome P450 3A4 enzyme, is also used to "boost" the pharmacokinetic exposure of many co-administered anti-retrovirals. However, RTV is associated with clinically significant gastrointestinal and metabolic side effects including nausea, emesis, diarrhea, and dyslipidemia. Administering low doses of a compound with potent antiviral activity may also contribute to the selection of drug-resistant strains of HIV. A novel CYP3A4 inhibitor capable of boosting antivirals as effectively as RTV but devoid of antiviral activity and significant side-effects would offer significant advantages and therapeutic value in the treatment of those suffering from infection with the HIV virus. The present invention discloses compounds that are useful in the inhibition of the CYP450 enzyme system and may be used to boost the pharmacokinetic exposure of co-administered drugs, including anti-retrovirals. It also discloses pharmaceutical formulations comprising such compounds, methods of making them, and methods of using them.

SUMMARY

In one embodiment are provided compounds of formula (I),



wherein:

R^1, R^2, R^3, R^4 are independently selected from hydrogen, C_1 - C_6 alkyl, $-(CR^{12a}R^{12b})_i$ halo, $-(CR^{12a}R^{12b})_i$ CN, $-(CR^{12a}R^{12b})_i$ OR^{12a}, $-(CR^{12a}R^{12b})_i$ N(R^{12a}R^{12b}), $-(CR^{12a}R^{12b})_i$ CF₃, and $-(CR^{12a}R^{12b})_i$ C₆-C₁₀ aryl;

R^5 is hydrogen or C_1 - C_6 alkyl;

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R^6 , R^7 , R^8 , and R^9 are independently selected from hydrogen, C_1 - C_6 alkyl, $-(CR^{12a}R^{12b})_t$ halo, $-(CR^{12a}R^{12b})_t$ CN, $-(CR^{12a}R^{12b})_t$ CF₃, $-(CR^{12a}R^{12b})_t$ OR^{12a}, $-(CR^{12a}R^{12b})_t$ N($R^{12a}R^{12b}$), $-(CR^{12a}R^{12b})_t$ R^{12a}, $-(CR^{12a}R^{12b})_t$ C₃-C₁₁ cycloalkyl, $-(CR^{12a}R^{12b})_t$ C₆-C₁₀ aryl, $-(CR^{12a}R^{12b})_t$ C₂-C₁₀ heterocyclyl, $-(CR^{12a}R^{12b})_t$ heteroaryl, $-O(CR^{12a}R^{12b})_t$ R^{12a}, $-O(CR^{12a}R^{12b})_t$ C₃-C₁₁ cycloalkyl, $-O(CR^{12a}R^{12b})_t$ C₆-C₁₀ aryl, $-O(CR^{12a}R^{12b})_t$ C₂-C₁₀ heterocyclyl, $-O(CR^{12a}R^{12b})_t$ heteroaryl, $-O(CR^{12a}R^{12b})_t$ OR^{12a}, and $-O(CR^{12a}R^{12b})_t$ N($R^{12a}R^{12b}$), wherein each of said C_1 - C_6 alkyl, C_3 - C_{11} cycloalkyl, C_6 - C_{10} aryl, C_2 - C_{10} heterocyclyl, and heteroaryl is optionally substituted with one or more R^{14} ;

R^{10} and R^{11} are independently selected from hydrogen, $-(CR^{12a}R^{12b})_t$ C₁- C_6 alkyl, $-(CR^{12a}R^{12b})_t$ C₃-C₁₁ cycloalkyl, $-(CR^{12a}R^{12b})_t$ C₆-C₁₀ aryl, $-(CR^{12a}R^{12b})_t$ C₂-C₁₀ heterocyclyl, and $-(CR^{12a}R^{12b})_t$ heteroaryl, wherein each of said C_1 - C_6 alkyl, C_3 -C₁₁ cycloalkyl, C_6 -C₁₀ aryl, C_2 -C₁₀ heterocyclyl, and heteroaryl groups is optionally substituted with one or more R^{13} ; or

R^{10} and R^{11} , together with the atom to which they are attached, form a C_2 -C₁₀ heterocyclyl group, optionally substituted with one or more R^{13} ;

each R^{12a} and R^{12b} is independently selected from hydrogen and C_1 - C_6 alkyl; or

R^{12a} and R^{12b} , together with the atom to which they are attached, form a C_3 -C₁₁ cycloalkyl or a C_2 -C₁₀ heterocyclyl group;

each R^{13} is independently selected from C_1 - C_6 alkyl, halogen, $-(CR^{12a}R^{12b})_t$ CN, $-(CR^{12a}R^{12b})_t$ CF₃, $-(CR^{12a}R^{12b})_t$ OCF₃, $-(CR^{12a}R^{12b})_t$ C₃-C₁₁ cycloalkyl, $-(CR^{12a}R^{12b})_t$ C₆-C₁₀ aryl, $-(CR^{12a}R^{12b})_t$ C₂-C₁₀ heterocyclyl, $-(CR^{12a}R^{12b})_t$ heteroaryl, $-O(CR^{12a}R^{12b})_t$ R^{12a}, $-O(CR^{12a}R^{12b})_t$ C₆-C₁₀ aryl, $-O(CR^{12a}R^{12b})_t$ C₂-C₁₀ heterocyclyl, $-O(CR^{12a}R^{12b})_t$ heteroaryl, $-(CR^{12a}R^{12b})_t$ CO₂(C_1 - C_6 alkyl), $-(CR^{12a}R^{12b})_t$ N($R^{12a}R^{12b}$), $-(CR^{12a}R^{12b})_t$ C(O)NR^{12a}R^{12b}, $-(CR^{12a}R^{12b})_t$ OR^{12a}, $-(CR^{12a}R^{12b})_t$ S(O)R^{12a}, and $-(CR^{12a}R^{12b})_t$ S(O)₂R^{12a}, wherein each of said C_1 - C_6 alkyl, C_3 -C₁₁ cycloalkyl, C_6 -C₁₀ aryl, C_2 -C₁₀ heterocyclyl, and heteroaryl groups is optionally substituted with one or more R^{14} ;

each R^{14} is independently selected from C_1 - C_6 alkyl, halogen, -CN, -CF₃, and -OR^{12a}; and

each t is independently selected from 0, 1, 2, 3, 4, 5, and 6; or

a pharmaceutically acceptable salt or solvate thereof.

In another embodiment are provided compounds of formula (I), wherein:

R^1 , R^2 , R^3 , R^4 are independently selected from hydrogen, C_1 - C_6 alkyl, $-(CR^{12a}R^{12b})_t$ halo, $-(CR^{12a}R^{12b})_t$ CN, $-(CR^{12a}R^{12b})_t$ OR^{12a}, $-(CR^{12a}R^{12b})_t$ N($R^{12a}R^{12b}$), and $-(CR^{12a}R^{12b})_t$ CF₃;

R^5 is hydrogen or C_1 - C_6 alkyl;

R^6 , R^7 , R^8 , and R^9 are independently selected from hydrogen, C_1 - C_6 alkyl, $-(CR^{12a}R^{12b})_t$ halo, $-(CR^{12a}R^{12b})_t$ CN, $-(CR^{12a}R^{12b})_t$ CF₃, $-(CR^{12a}R^{12b})_t$ OR^{12a}, $-(CR^{12a}R^{12b})_t$ N($R^{12a}R^{12b}$), $-(CR^{12a}R^{12b})_t$ R^{12a}, $-(CR^{12a}R^{12b})_t$ C₃-C₁₁ cycloalkyl, $-(CR^{12a}R^{12b})_t$ C₆-C₁₀ aryl, $-(CR^{12a}R^{12b})_t$ C₂-C₁₀ heterocyclyl, $-(CR^{12a}R^{12b})_t$ heteroaryl, $-O(CR^{12a}R^{12b})_t$ R^{12a}, $-O(CR^{12a}R^{12b})_t$ C₃-C₁₁ cycloalkyl, $-O(CR^{12a}R^{12b})_t$ C₆-C₁₀ aryl, $-O(CR^{12a}R^{12b})_t$ C₂-C₁₀ heterocyclyl, $-O(CR^{12a}R^{12b})_t$ heteroaryl, $-O(CR^{12a}R^{12b})_t$ OR^{12a}, and $-O(CR^{12a}R^{12b})_t$ N($R^{12a}R^{12b}$), wherein each of said C_1 - C_6 alkyl, C_3 -C₁₁ cycloalkyl, C_6 -C₁₀ aryl, C_2 -C₁₀ heterocyclyl, and heteroaryl is optionally substituted with one or more R^{14} ;

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R^{10} and R^{11} are independently selected from hydrogen, $-(CR^{12a}R^{12b})_tC_1-C_6$ alkyl, $-(CR^{12a}R^{12b})_tC_3-C_{11}$ cycloalkyl, $-(CR^{12a}R^{12b})_tC_6-C_{10}$ aryl, $-(CR^{12a}R^{12b})_tC_2-C_{10}$ heterocyclyl, and $-(CR^{12a}R^{12b})_theteroaryl$, wherein each of said C_1-C_6 alkyl, C_3-C_{11} cycloalkyl, C_6-C_{10} aryl, C_2-C_{10} heterocyclyl, and heteroaryl groups is optionally substituted with one or more R^{13} ;

- 5 each R^{12a} and R^{12b} is independently selected from hydrogen and C_1-C_6 alkyl; or
 R^{12a} and R^{12b} , together with the atom to which they are attached, form a C_3-C_{11} cycloalkyl or a C_2-C_{10} heterocyclyl group;

- each R^{13} is independently selected from C_1-C_6 alkyl, halogen, $-(CR^{12a}R^{12b})_tCN$, $-(CR^{12a}R^{12b})_tCF_3$, $-(CR^{12a}R^{12b})_tOCF_3$, $-(CR^{12a}R^{12b})_tC_3-C_{11}$ cycloalkyl, $-(CR^{12a}R^{12b})_tC_6-C_{10}$ aryl,
 10 $-(CR^{12a}R^{12b})_tC_2-C_{10}$ heterocyclyl, $-(CR^{12a}R^{12b})_theteroaryl$, $-O(CR^{12a}R^{12b})_tR^{12a}$, $-O(CR^{12a}R^{12b})_tC_6-C_{10}$ aryl, $-O(CR^{12a}R^{12b})_tC_2-C_{10}$ heterocyclyl, $-O(CR^{12a}R^{12b})_theteroaryl$, $-(CR^{12a}R^{12b})_tCO_2(C_1-C_6$ alkyl),
 $-(CR^{12a}R^{12b})_tN(R^{12a}R^{12b})$, $-(CR^{12a}R^{12b})_tC(O)NR^{12a}R^{12b}$, $-(CR^{12a}R^{12b})_tOR^{12a}$, $-(CR^{12a}R^{12b})_tS(O)R^{12a}$,
 and $-(CR^{12a}R^{12b})_tS(O)_2R^{12a}$, wherein each of said C_1-C_6 alkyl, C_3-C_{11} cycloalkyl, C_6-C_{10} aryl, C_2-C_{10} heterocyclyl, and heteroaryl groups is optionally substituted with one or more R^{14} ;

- 15 each R^{14} is independently selected from C_1-C_6 alkyl, halogen, $-CN$, $-CF_3$, and $-OR^{12a}$;
 and

each t is independently selected from 0, 1, 2, 3, 4, 5, and 6; or
 a pharmaceutically acceptable salt or solvate thereof.

- 20 In yet another embodiment are provided compounds of formula (I), wherein:

R^1 , R^2 , R^3 , R^4 are independently selected from hydrogen, C_1-C_6 alkyl, halo, $-CN$, $-OR^{12a}$,
 and $-CF_3$;

R^5 is hydrogen;

- R^6 , R^7 , R^8 , and R^9 are independently selected from hydrogen, C_1-C_6 alkyl,
 25 $-(CR^{12a}R^{12b})_thalo$, $-(CR^{12a}R^{12b})_tCN$, $-(CR^{12a}R^{12b})_tCF_3$, $-(CR^{12a}R^{12b})_tOR^{12a}$, $-(CR^{12a}R^{12b})_tN(R^{12a}R^{12b})$,
 $-(CR^{12a}R^{12b})_tR^{12a}$, $-(CR^{12a}R^{12b})_tC_3-C_{11}$ cycloalkyl, $-(CR^{12a}R^{12b})_tC_6-C_{10}$ aryl, $-(CR^{12a}R^{12b})_tC_2-C_{10}$
 heterocyclyl, $-(CR^{12a}R^{12b})_theteroaryl$, $-O(CR^{12a}R^{12b})_tR^{12a}$, $-O(CR^{12a}R^{12b})_tC_3-C_{11}$ cycloalkyl, $-$
 $O(CR^{12a}R^{12b})_tC_6-C_{10}$ aryl, $-O(CR^{12a}R^{12b})_tC_2-C_{10}$ heterocyclyl, $-O(CR^{12a}R^{12b})_theteroaryl$, $-$
 $O(CR^{12a}R^{12b})_tOR^{12a}$, and $-O(CR^{12a}R^{12b})_tN(R^{12a}R^{12b})$, wherein each of said C_1-C_6 alkyl, C_3-C_{11}
 30 cycloalkyl, C_6-C_{10} aryl, C_2-C_{10} heterocyclyl, and heteroaryl is optionally substituted with one or
 more R^{14} ;

- R^{10} and R^{11} are independently selected from hydrogen, $-(CR^{12a}R^{12b})_tC_1-C_6$ alkyl,
 $-(CR^{12a}R^{12b})_tC_3-C_{11}$ cycloalkyl, $-(CR^{12a}R^{12b})_tC_6-C_{10}$ aryl, $-(CR^{12a}R^{12b})_tC_2-C_{10}$ heterocyclyl, and
 $-(CR^{12a}R^{12b})_theteroaryl$, wherein each of said C_1-C_6 alkyl, C_3-C_{11} cycloalkyl, C_6-C_{10} aryl, C_2-C_{10}
 35 heterocyclyl, and heteroaryl groups is optionally substituted with one or more R^{13} ;

each R^{12a} and R^{12b} is independently selected from hydrogen and C_1-C_6 alkyl; or

R^{12a} and R^{12b} , together with the atom to which they are attached, form a C_3-C_{11} cycloalkyl
 or a C_2-C_{10} heterocyclyl group;

- each R^{13} is independently selected from C_1-C_6 alkyl, halogen, $-(CR^{12a}R^{12b})_tCN$,
 40 $-(CR^{12a}R^{12b})_tCF_3$, $-(CR^{12a}R^{12b})_tOCF_3$, $-(CR^{12a}R^{12b})_tC_3-C_{11}$ cycloalkyl, $-(CR^{12a}R^{12b})_tC_6-C_{10}$ aryl,
 $-(CR^{12a}R^{12b})_tC_2-C_{10}$ heterocyclyl, $-(CR^{12a}R^{12b})_theteroaryl$, $-O(CR^{12a}R^{12b})_tR^{12a}$, $-O(CR^{12a}R^{12b})_tC_6-C_{10}$

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aryl, $-\text{O}(\text{CR}^{12a}\text{R}^{12b})_t\text{C}_2\text{-C}_{10}$ heterocyclyl, $-\text{O}(\text{CR}^{12a}\text{R}^{12b})_t\text{heteroaryl}$, $-(\text{CR}^{12a}\text{R}^{12b})_t\text{CO}_2(\text{C}_1\text{-C}_6 \text{ alkyl})$, $-(\text{CR}^{12a}\text{R}^{12b})_t\text{N}(\text{R}^{12a}\text{R}^{12b})$, $-(\text{CR}^{12a}\text{R}^{12b})_t\text{C}(\text{O})\text{NR}^{12a}\text{R}^{12b}$, $-(\text{CR}^{12a}\text{R}^{12b})_t\text{OR}^{12a}$, $-(\text{CR}^{12a}\text{R}^{12b})_t\text{S}(\text{O})\text{R}^{12a}$, and $-(\text{CR}^{12a}\text{R}^{12b})_t\text{S}(\text{O})_2\text{R}^{12a}$, wherein each of said $\text{C}_1\text{-C}_6$ alkyl, $\text{C}_3\text{-C}_{11}$ cycloalkyl, $\text{C}_6\text{-C}_{10}$ aryl, $\text{C}_2\text{-C}_{10}$ heterocyclyl, and heteroaryl groups is optionally substituted with one or more R^{14} ;

5 each R^{14} is independently selected from $\text{C}_1\text{-C}_6$ alkyl, halogen, $-\text{CN}$, $-\text{CF}_3$, and $-\text{OR}^{12a}$; and

each t is independently selected from 0, 1, 2, 3, 4, 5, and 6; or

a pharmaceutically acceptable salt or solvate thereof.

10 Still another embodiment provides compounds of formula (I), wherein:

R^1 , R^2 , R^3 , R^4 are independently selected from hydrogen, $\text{C}_1\text{-C}_6$ alkyl, halo, $-\text{CN}$, $-\text{OR}^{12a}$, and $-\text{CF}_3$;

R^5 is hydrogen;

15 R^6 , R^7 , R^8 , and R^9 are independently selected from hydrogen, $\text{C}_1\text{-C}_6$ alkyl, $-(\text{CR}^{12a}\text{R}^{12b})_t\text{halo}$, $-(\text{CR}^{12a}\text{R}^{12b})_t\text{CN}$, $-(\text{CR}^{12a}\text{R}^{12b})_t\text{CF}_3$, $-(\text{CR}^{12a}\text{R}^{12b})_t\text{OR}^{12a}$, $-(\text{CR}^{12a}\text{R}^{12b})_t\text{N}(\text{R}^{12a}\text{R}^{12b})$, $-(\text{CR}^{12a}\text{R}^{12b})_t\text{R}^{12a}$, $-(\text{CR}^{12a}\text{R}^{12b})_t\text{C}_3\text{-C}_{11}$ cycloalkyl, $-(\text{CR}^{12a}\text{R}^{12b})_t\text{C}_6\text{-C}_{10}$ aryl, $-(\text{CR}^{12a}\text{R}^{12b})_t\text{C}_2\text{-C}_{10}$ heterocyclyl, $-(\text{CR}^{12a}\text{R}^{12b})_t\text{heteroaryl}$, $-\text{O}(\text{CR}^{12a}\text{R}^{12b})_t\text{R}^{12a}$, $-\text{O}(\text{CR}^{12a}\text{R}^{12b})_t\text{C}_3\text{-C}_{11}$ cycloalkyl, $-\text{O}(\text{CR}^{12a}\text{R}^{12b})_t\text{C}_6\text{-C}_{10}$ aryl, $-\text{O}(\text{CR}^{12a}\text{R}^{12b})_t\text{C}_2\text{-C}_{10}$ heterocyclyl, $-\text{O}(\text{CR}^{12a}\text{R}^{12b})_t\text{heteroaryl}$, $-\text{O}(\text{CR}^{12a}\text{R}^{12b})_t\text{OR}^{12a}$, and $-\text{O}(\text{CR}^{12a}\text{R}^{12b})_t\text{N}(\text{R}^{12a}\text{R}^{12b})$, wherein each of said $\text{C}_1\text{-C}_6$ alkyl, $\text{C}_3\text{-C}_{11}$ cycloalkyl, $\text{C}_6\text{-C}_{10}$ aryl, $\text{C}_2\text{-C}_{10}$ heterocyclyl, and heteroaryl is optionally substituted with one or more R^{14} ;

R^{10} is hydrogen or $\text{C}_1\text{-C}_6$ alkyl;

25 R^{11} is selected from $-(\text{CR}^{12a}\text{R}^{12b})_t\text{C}_1\text{-C}_6$ alkyl, $-(\text{CR}^{12a}\text{R}^{12b})_t\text{C}_3\text{-C}_{11}$ cycloalkyl, $-(\text{CR}^{12a}\text{R}^{12b})_t\text{C}_6\text{-C}_{10}$ aryl, $-(\text{CR}^{12a}\text{R}^{12b})_t\text{C}_2\text{-C}_{10}$ heterocyclyl, and $-(\text{CR}^{12a}\text{R}^{12b})_t\text{heteroaryl}$, wherein each of said $\text{C}_1\text{-C}_6$ alkyl, $\text{C}_3\text{-C}_{11}$ cycloalkyl, $\text{C}_6\text{-C}_{10}$ aryl, $\text{C}_2\text{-C}_{10}$ heterocyclyl, and heteroaryl groups is optionally substituted with one or more R^{13} ;

each R^{12a} and R^{12b} is independently selected from hydrogen and $\text{C}_1\text{-C}_6$ alkyl; or

R^{12a} and R^{12b} , together with the atom to which they are attached, form a $\text{C}_3\text{-C}_{11}$ cycloalkyl or a $\text{C}_2\text{-C}_{10}$ heterocyclyl group;

30 each R^{13} is independently selected from $\text{C}_1\text{-C}_6$ alkyl, halogen, $-(\text{CR}^{12a}\text{R}^{12b})_t\text{CN}$, $-(\text{CR}^{12a}\text{R}^{12b})_t\text{CF}_3$, $-(\text{CR}^{12a}\text{R}^{12b})_t\text{OCF}_3$, $-(\text{CR}^{12a}\text{R}^{12b})_t\text{C}_3\text{-C}_{11}$ cycloalkyl, $-(\text{CR}^{12a}\text{R}^{12b})_t\text{C}_6\text{-C}_{10}$ aryl, $-(\text{CR}^{12a}\text{R}^{12b})_t\text{C}_2\text{-C}_{10}$ heterocyclyl, $-(\text{CR}^{12a}\text{R}^{12b})_t\text{heteroaryl}$, $-\text{O}(\text{CR}^{12a}\text{R}^{12b})_t\text{R}^{12a}$, $-\text{O}(\text{CR}^{12a}\text{R}^{12b})_t\text{C}_6\text{-C}_{10}$ aryl, $-\text{O}(\text{CR}^{12a}\text{R}^{12b})_t\text{C}_2\text{-C}_{10}$ heterocyclyl, $-\text{O}(\text{CR}^{12a}\text{R}^{12b})_t\text{heteroaryl}$, $-(\text{CR}^{12a}\text{R}^{12b})_t\text{CO}_2(\text{C}_1\text{-C}_6 \text{ alkyl})$, $-(\text{CR}^{12a}\text{R}^{12b})_t\text{N}(\text{R}^{12a}\text{R}^{12b})$, $-(\text{CR}^{12a}\text{R}^{12b})_t\text{C}(\text{O})\text{NR}^{12a}\text{R}^{12b}$, $-(\text{CR}^{12a}\text{R}^{12b})_t\text{OR}^{12a}$, $-(\text{CR}^{12a}\text{R}^{12b})_t\text{S}(\text{O})\text{R}^{12a}$, and $-(\text{CR}^{12a}\text{R}^{12b})_t\text{S}(\text{O})_2\text{R}^{12a}$, wherein each of said $\text{C}_1\text{-C}_6$ alkyl, $\text{C}_3\text{-C}_{11}$ cycloalkyl, $\text{C}_6\text{-C}_{10}$ aryl, $\text{C}_2\text{-C}_{10}$ heterocyclyl, and heteroaryl groups is optionally substituted with one or more R^{14} ;

each R^{14} is independently selected from $\text{C}_1\text{-C}_6$ alkyl, halogen, $-\text{CN}$, $-\text{CF}_3$, and $-\text{OR}^{12a}$; and

each t is independently selected from 0, 1, 2, 3, 4, 5, and 6; or

40 a pharmaceutically acceptable salt or solvate thereof.

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Further provided herein are compounds of formula (I), wherein:

R^1 , R^2 , R^3 , R^4 are independently selected from hydrogen, C_1 - C_6 alkyl, halo, -CN, -OR^{12a}, and -CF₃;

R^5 is hydrogen;

5 R^6 , R^7 , R^8 , and R^9 are hydrogen;

R^{10} is hydrogen or C_1 - C_6 alkyl;

R^{11} is selected from $-(CR^{12a}R^{12b})_tC_1$ - C_6 alkyl, $-(CR^{12a}R^{12b})_tC_3$ - C_{11} cycloalkyl, $-(CR^{12a}R^{12b})_tC_6$ - C_{10} aryl, $-(CR^{12a}R^{12b})_tC_2$ - C_{10} heterocyclyl, and $-(CR^{12a}R^{12b})_theteroaryl$, wherein each of said C_1 - C_6 alkyl, C_3 - C_{11} cycloalkyl, C_6 - C_{10} aryl, C_2 - C_{10} heterocyclyl, and heteroaryl groups is optionally substituted with one or more R^{13} ;

each R^{12a} and R^{12b} is independently selected from hydrogen and C_1 - C_6 alkyl; or

R^{12a} and R^{12b} , together with the atom to which they are attached, form a C_3 - C_{11} cycloalkyl or a C_2 - C_{10} heterocyclyl group;

each R^{13} is independently selected from C_1 - C_6 alkyl, halogen, $-(CR^{12a}R^{12b})_tCN$, $-(CR^{12a}R^{12b})_tCF_3$, $-(CR^{12a}R^{12b})_tOCF_3$, $-(CR^{12a}R^{12b})_tC_3$ - C_{11} cycloalkyl, $-(CR^{12a}R^{12b})_tC_6$ - C_{10} aryl, $-(CR^{12a}R^{12b})_tC_2$ - C_{10} heterocyclyl, $-(CR^{12a}R^{12b})_theteroaryl$, $-O(CR^{12a}R^{12b})_tR^{12a}$, $-O(CR^{12a}R^{12b})_tC_6$ - C_{10} aryl, $-O(CR^{12a}R^{12b})_tC_2$ - C_{10} heterocyclyl, $-O(CR^{12a}R^{12b})_theteroaryl$, $-(CR^{12a}R^{12b})_tCO_2(C_1$ - C_6 alkyl), $-(CR^{12a}R^{12b})_tN(R^{12a}R^{12b})$, $-(CR^{12a}R^{12b})_tC(O)NR^{12a}R^{12b}$, $-(CR^{12a}R^{12b})_tOR^{12a}$, $-(CR^{12a}R^{12b})_tS(O)R^{12a}$, and $-(CR^{12a}R^{12b})_tS(O)_2R^{12a}$, wherein each of said C_1 - C_6 alkyl, C_3 - C_{11} cycloalkyl, C_6 - C_{10} aryl, C_2 - C_{10} heterocyclyl, and heteroaryl groups is optionally substituted with one or more R^{14} ;

each R^{14} is independently selected from C_1 - C_6 alkyl, halogen, -CN, -CF₃, and -OR^{12a}; and

each t is independently selected from 0, 1, 2, 3, 4, 5, and 6; or

a pharmaceutically acceptable salt or solvate thereof.

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Still another embodiment affords compounds of formula (I), wherein:

R^1 , R^2 , R^3 , R^4 are independently selected from hydrogen, C_1 - C_6 alkyl, halo, -CN, -OR^{12a}, and -CF₃;

R^5 is hydrogen;

30 R^6 , R^7 , R^8 , and R^9 are hydrogen;

R^{10} is hydrogen or C_1 - C_6 alkyl;

R^{11} is $-(CR^{12a}R^{12b})_tC_6$ - C_{10} aryl, wherein said C_6 - C_{10} aryl is optionally substituted with one or more R^{13} ;

each R^{12a} and R^{12b} is independently selected from hydrogen and C_1 - C_6 alkyl; or

35 R^{12a} and R^{12b} , together with the atom to which they are attached, form a C_3 - C_{11} cycloalkyl or a C_2 - C_{10} heterocyclyl group;

each R^{13} is independently selected from C_1 - C_6 alkyl, halogen, $-(CR^{12a}R^{12b})_tCN$, $-(CR^{12a}R^{12b})_tCF_3$, $-(CR^{12a}R^{12b})_tOCF_3$, $-(CR^{12a}R^{12b})_tC_3$ - C_{11} cycloalkyl, $-(CR^{12a}R^{12b})_tC_6$ - C_{10} aryl, $-(CR^{12a}R^{12b})_tC_2$ - C_{10} heterocyclyl, $-(CR^{12a}R^{12b})_theteroaryl$, $-O(CR^{12a}R^{12b})_tR^{12a}$, $-O(CR^{12a}R^{12b})_tC_6$ - C_{10} aryl, $-O(CR^{12a}R^{12b})_tC_2$ - C_{10} heterocyclyl, $-O(CR^{12a}R^{12b})_theteroaryl$, $-(CR^{12a}R^{12b})_tCO_2(C_1$ - C_6 alkyl), $-(CR^{12a}R^{12b})_tN(R^{12a}R^{12b})$, $-(CR^{12a}R^{12b})_tC(O)NR^{12a}R^{12b}$, $-(CR^{12a}R^{12b})_tOR^{12a}$, $-(CR^{12a}R^{12b})_tS(O)R^{12a}$,

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and $-(\text{CR}^{12a}\text{R}^{12b})_t\text{S}(\text{O})_2\text{R}^{12a}$, wherein each of said $\text{C}_1\text{-C}_6$ alkyl, $\text{C}_3\text{-C}_{11}$ cycloalkyl, $\text{C}_6\text{-C}_{10}$ aryl, $\text{C}_2\text{-C}_{10}$ heterocyclyl, and heteroaryl groups is optionally substituted with one or more R^{14} ;

each R^{14} is independently selected from $\text{C}_1\text{-C}_6$ alkyl, halogen, $-\text{CN}$, $-\text{CF}_3$, and $-\text{OR}^{12a}$,
and

5 each t is independently selected from 0, 1, 2, 3, 4, 5, and 6; or
a pharmaceutically acceptable salt or solvate thereof.

Yet another embodiment provides compounds of formula (I), wherein:

10 R^1 , R^2 , R^3 , R^4 are independently selected from hydrogen, $\text{C}_1\text{-C}_6$ alkyl, halo, $-\text{CN}$, $-\text{OR}^{12a}$,
and $-\text{CF}_3$;

R^5 is hydrogen;

R^6 , R^7 , R^8 , and R^9 are hydrogen;

R^{10} is hydrogen or $\text{C}_1\text{-C}_6$ alkyl;

15 R^{11} is $-(\text{CR}^{12a}\text{R}^{12b})\text{C}_6\text{-C}_{10}$ aryl or $-(\text{CR}^{12a}\text{R}^{12b})_2\text{C}_6\text{-C}_{10}$ aryl, wherein said $\text{C}_6\text{-C}_{10}$ aryl is
optionally substituted with one or more R^{13} ;

each R^{12a} and R^{12b} is independently selected from hydrogen and $\text{C}_1\text{-C}_6$ alkyl; or

R^{12a} and R^{12b} , together with the atom to which they are attached, form a $\text{C}_3\text{-C}_{11}$ cycloalkyl
or a $\text{C}_2\text{-C}_{10}$ heterocyclyl group;

20 each R^{13} is independently selected from $\text{C}_1\text{-C}_6$ alkyl, halogen, $-(\text{CR}^{12a}\text{R}^{12b})_t\text{CN}$,
 $-(\text{CR}^{12a}\text{R}^{12b})_t\text{CF}_3$, $-(\text{CR}^{12a}\text{R}^{12b})_t\text{OCF}_3$, $-(\text{CR}^{12a}\text{R}^{12b})_t\text{C}_3\text{-C}_{11}$ cycloalkyl, $-(\text{CR}^{12a}\text{R}^{12b})_t\text{C}_6\text{-C}_{10}$ aryl,
 $-(\text{CR}^{12a}\text{R}^{12b})_t\text{C}_2\text{-C}_{10}$ heterocyclyl, $-(\text{CR}^{12a}\text{R}^{12b})_t$ heteroaryl, $-\text{O}(\text{CR}^{12a}\text{R}^{12b})_t\text{R}^{12a}$, $-\text{O}(\text{CR}^{12a}\text{R}^{12b})_t\text{C}_6\text{-C}_{10}$
aryl, $-\text{O}(\text{CR}^{12a}\text{R}^{12b})_t\text{C}_2\text{-C}_{10}$ heterocyclyl, $-\text{O}(\text{CR}^{12a}\text{R}^{12b})_t$ heteroaryl, $-(\text{CR}^{12a}\text{R}^{12b})_t\text{CO}_2(\text{C}_1\text{-C}_6\text{ alkyl})$,
 $-(\text{CR}^{12a}\text{R}^{12b})_t\text{N}(\text{R}^{12a}\text{R}^{12b})$, $-(\text{CR}^{12a}\text{R}^{12b})_t\text{C}(\text{O})\text{NR}^{12a}\text{R}^{12b}$, $-(\text{CR}^{12a}\text{R}^{12b})_t\text{OR}^{12a}$, $-(\text{CR}^{12a}\text{R}^{12b})_t\text{S}(\text{O})\text{R}^{12a}$,
and $-(\text{CR}^{12a}\text{R}^{12b})_t\text{S}(\text{O})_2\text{R}^{12a}$, wherein each of said $\text{C}_1\text{-C}_6$ alkyl, $\text{C}_3\text{-C}_{11}$ cycloalkyl, $\text{C}_6\text{-C}_{10}$ aryl, $\text{C}_2\text{-C}_{10}$
25 $\text{C}_2\text{-C}_{10}$ heterocyclyl, and heteroaryl groups is optionally substituted with one or more R^{14} ;

each R^{14} is independently selected from $\text{C}_1\text{-C}_6$ alkyl, halogen, $-\text{CN}$, $-\text{CF}_3$, and $-\text{OR}^{12a}$,
and

each t is independently selected from 0, 1, 2, 3, 4, 5, and 6; or
a pharmaceutically acceptable salt or solvate thereof.

30

Still another embodiment provides compounds of formula (I), wherein:

R^1 , R^2 , R^3 , R^4 are independently selected from hydrogen, $\text{C}_1\text{-C}_6$ alkyl, halo, $-\text{CN}$, $-\text{OR}^{12a}$,
and $-\text{CF}_3$;

R^5 is hydrogen;

35 R^6 , R^7 , R^8 , and R^9 are hydrogen;

R^{10} is hydrogen or $\text{C}_1\text{-C}_6$ alkyl;

R^{11} is $-(\text{CH}_2)\text{C}_6\text{-C}_{10}$ aryl or $-(\text{CH}_2)_2\text{C}_6\text{-C}_{10}$ aryl, wherein said $\text{C}_6\text{-C}_{10}$ aryl is optionally
substituted with one or more R^{13} ;

R^{12a} is hydrogen or $\text{C}_1\text{-C}_6$ alkyl; and

40 each R^{13} is independently selected from $\text{C}_1\text{-C}_6$ alkyl, halogen, $-\text{CN}$, $-\text{CF}_3$, and $-\text{OCF}_3$; or
a pharmaceutically acceptable salt or solvate thereof.

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A further embodiment provides compounds of formula (I), wherein:

R^1 , R^3 , and R^4 are hydrogen;

R^2 is C_1 - C_6 alkyl, halo, -CN, -OR^{12a}, or -CF₃;

5 R^5 is hydrogen;

R^6 , R^7 , R^8 , and R^9 are hydrogen;

R^{10} is hydrogen or C_1 - C_6 alkyl;

R^{11} is $-(CH_2)C_6$ - C_{10} aryl or $-(CH_2)_2C_6$ - C_{10} aryl, wherein said C_6 - C_{10} aryl is optionally substituted with one or more R^{13} ;

10 R^{12a} is hydrogen or C_1 - C_6 alkyl; and

each R^{13} is independently selected from C_1 - C_6 alkyl, halogen, -CN, -CF₃, and -OCF₃; or a pharmaceutically acceptable salt or solvate thereof.

In another embodiment are provided compounds of formula (I), wherein:

15 R^1 , R^3 , and R^4 are hydrogen;

R^2 is C_1 - C_6 alkyl, -Cl, -F, -CN, -OCH₃, -OCH₂CH₃, or -CF₃;

R^5 is hydrogen;

R^6 , R^7 , R^8 , and R^9 are hydrogen;

R^{10} is hydrogen or -CH₃;

20 R^{11} is $-(CH_2)C_6$ - C_{10} aryl or $-(CH_2)_2C_6$ - C_{10} aryl, wherein said C_6 - C_{10} aryl is optionally substituted with one or more R^{13} ; and

each R^{13} is independently selected from C_1 - C_6 alkyl, -Cl, -F, -CN, -CF₃, and -OCF₃; or a pharmaceutically acceptable salt or solvate thereof.

25 In still another embodiment are provided compounds of formula (I), wherein:

R^1 , R^3 , and R^4 are hydrogen;

R^2 is C_1 - C_6 alkyl, -OCH₃, or -OCH₂CH₃;

R^5 is hydrogen;

R^6 , R^7 , R^8 , and R^9 are hydrogen;

30 R^{10} is hydrogen or -CH₃;

R^{11} is $-(CH_2)C_6$ - C_{10} aryl or $-(CH_2)_2C_6$ - C_{10} aryl, wherein said C_6 - C_{10} aryl is optionally substituted with one or more R^{13} ; and

each R^{13} is independently selected from C_1 - C_6 alkyl, -Cl, -F, -CN, -CF₃, and -OCF₃; or a pharmaceutically acceptable salt or solvate thereof.

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In still another embodiment are provided compounds of formula (I), wherein:

R^1 , R^3 , and R^4 are hydrogen;

R^2 is -CH₃, -OCH₃, or -OCH₂CH₃;

R^5 is hydrogen;

40 R^6 , R^7 , R^8 , and R^9 are hydrogen;

R^{10} is hydrogen or -CH₃;

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R^{11} is $-(CH_2)C_6-C_{10}$ aryl or $-(CH_2)_2C_6-C_{10}$ aryl, wherein said C_6-C_{10} aryl is optionally substituted with one or more R^{13} ; and

each R^{13} is independently selected from C_1-C_6 alkyl, -Cl, -F, -CN, $-CF_3$, and $-OCF_3$; or a pharmaceutically acceptable salt or solvate thereof.

5

In a further embodiment are provided compounds of formula (I), wherein:

R^1 , R^2 , and R^4 are hydrogen;

R^3 is C_1-C_6 alkyl, -Cl, -F, -CN, $-OCH_3$, $-OCH_2CH_3$, or $-CF_3$;

10 R^5 is hydrogen;

R^6 , R^7 , R^8 , and R^9 are hydrogen;

R^{10} is hydrogen or $-CH_3$;

R^{11} is $-(CH_2)C_6-C_{10}$ aryl or $-(CH_2)_2C_6-C_{10}$ aryl, wherein said C_6-C_{10} aryl is optionally substituted with one or more R^{13} ; and

15 each R^{13} is independently selected from C_1-C_6 alkyl, -Cl, -F, -CN, $-CF_3$, and $-OCF_3$; or a pharmaceutically acceptable salt or solvate thereof.

In a further embodiment are provided compounds of formula (I), wherein:

R^1 , R^2 , and R^4 are hydrogen;

20 R^3 is $-CH_3$, $-OCH_3$ or $-OCH_2CH_3$;

R^5 is hydrogen;

R^6 , R^7 , R^8 , and R^9 are hydrogen;

R^{10} is hydrogen or $-CH_3$;

25 R^{11} is $-(CH_2)C_6-C_{10}$ aryl or $-(CH_2)_2C_6-C_{10}$ aryl, wherein said C_6-C_{10} aryl is optionally substituted with one or more R^{13} ; and

each R^{13} is independently selected from C_1-C_6 alkyl, -Cl, -F, -CN, $-CF_3$, and $-OCF_3$; or a pharmaceutically acceptable salt or solvate thereof.

In yet another embodiment are provided compounds of formula (I), wherein:

30 R^1 , R^2 , and R^4 are hydrogen;

R^3 is $-OCH_3$ or $-OCH_2CH_3$;

R^5 is hydrogen;

R^6 , R^7 , R^8 , and R^9 are hydrogen;

R^{10} is hydrogen or $-CH_3$;

35 R^{11} is $-(CH_2)C_6-C_{10}$ aryl or $-(CH_2)_2C_6-C_{10}$ aryl, wherein said C_6-C_{10} aryl is optionally substituted with one or more substituents independently selected from -Cl and -F; or a pharmaceutically acceptable salt or solvate thereof.

In another embodiment are provided compounds of formula (I), wherein:

40 R^1 , R^2 , R^3 , R^4 , R^5 , R^6 , R^7 , R^8 , and R^9 are hydrogen;

R^{10} is hydrogen or $-CH_3$;

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R^{11} is $-(CH_2)C_6-C_{10}$ aryl or $-(CH_2)_2C_6-C_{10}$ aryl, wherein said C_6-C_{10} aryl is optionally substituted with one or more R^{13} ; and

each R^{13} is independently selected from C_1-C_6 alkyl, halogen, $-CN$, $-CF_3$, and $-OCF_3$; or

5 a pharmaceutically acceptable salt or solvate thereof.

In another embodiment are provided compounds of formula (I), wherein:

$R^1, R^2, R^3, R^4, R^5, R^6, R^7, R^8, R^9$, and R^{10} are hydrogen;

R^{11} is $-(CH_2)C_6-C_{10}$ aryl or $-(CH_2)_2C_6-C_{10}$ aryl, wherein said C_6-C_{10} aryl is optionally substituted with one or more R^{13} ; and

10 each R^{13} is independently selected from C_1-C_6 alkyl, halogen, $-CN$, $-CF_3$, and $-OCF_3$; or

a pharmaceutically acceptable salt or solvate thereof.

15 In still another embodiment are provided compounds of formula (I), wherein:

$R^1, R^2, R^3, R^4, R^5, R^6, R^7, R^8$, and R^9 are hydrogen;

$R^{10} -CH_3$;

R^{11} is $-(CH_2)C_6-C_{10}$ aryl or $-(CH_2)_2C_6-C_{10}$ aryl, wherein said C_6-C_{10} aryl is optionally substituted with one or more R^{13} ; and

20 each R^{13} is independently selected from C_1-C_6 alkyl, halogen, $-CN$, $-CF_3$, and $-OCF_3$; or

a pharmaceutically acceptable salt or solvate thereof.

Further provided are compounds of formula (I), wherein:

25 R^1, R^2, R^3, R^4 are independently selected from hydrogen, C_1-C_6 alkyl, halo, $-CN$, $-OR^{12a}$, and $-CF_3$;

R^5 is hydrogen;

R^6, R^7, R^8 , and R^9 are independently selected from hydrogen, C_1-C_6 alkyl, $-(CR^{12a}R^{12b})_i$ halo, $-(CR^{12a}R^{12b})_iCN$, $-(CR^{12a}R^{12b})_iCF_3$, $-(CR^{12a}R^{12b})_iOR^{12a}$, $-(CR^{12a}R^{12b})_iN(R^{12a}R^{12b})$, $-(CR^{12a}R^{12b})_iR^{12a}$, $-(CR^{12a}R^{12b})_iC_3-C_{11}$ cycloalkyl, $-(CR^{12a}R^{12b})_iC_6-C_{10}$ aryl, $-(CR^{12a}R^{12b})_iC_2-C_{10}$ heterocyclyl, $-(CR^{12a}R^{12b})_iheteroaryl$, $-O(CR^{12a}R^{12b})_iR^{12a}$, $-O(CR^{12a}R^{12b})_iC_3-C_{11}$ cycloalkyl, $-O(CR^{12a}R^{12b})_iC_6-C_{10}$ aryl, $-O(CR^{12a}R^{12b})_iC_2-C_{10}$ heterocyclyl, $-O(CR^{12a}R^{12b})_iheteroaryl$, $-O(CR^{12a}R^{12b})_iOR^{12a}$, and $-O(CR^{12a}R^{12b})_iN(R^{12a}R^{12b})$, wherein each of said C_1-C_6 alkyl, C_3-C_{11} cycloalkyl, C_6-C_{10} aryl, C_2-C_{10} heterocyclyl, and heteroaryl is optionally substituted with one or

35 more R^{14} ;

R^{10} and R^{11} , together with the atom to which they are attached, form a C_2-C_{10} heterocyclyl group, optionally substituted with one or more R^{13} ;

each R^{12a} and R^{12b} is independently selected from hydrogen and C_1-C_6 alkyl; or

R^{12a} and R^{12b} , together with the atom to which they are attached, form a C_3-C_{11} cycloalkyl or a C_2-C_{10} heterocyclyl group;

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each R^{13} is independently selected from C_1 - C_6 alkyl, halogen, $-(CR^{12a}R^{12b})_tCN$, $-(CR^{12a}R^{12b})_tCF_3$, $-(CR^{12a}R^{12b})_tOCF_3$, $-(CR^{12a}R^{12b})_tC_3$ - C_{11} cycloalkyl, $-(CR^{12a}R^{12b})_tC_6$ - C_{10} aryl, $-(CR^{12a}R^{12b})_tC_2$ - C_{10} heterocyclyl, $-(CR^{12a}R^{12b})_theteroaryl$, $-O(CR^{12a}R^{12b})_tR^{12a}$, $-O(CR^{12a}R^{12b})_tC_6$ - C_{10} aryl, $-O(CR^{12a}R^{12b})_tC_2$ - C_{10} heterocyclyl, $-O(CR^{12a}R^{12b})_theteroaryl$, $-(CR^{12a}R^{12b})_tCO_2(C_1$ - C_6 alkyl), $-(CR^{12a}R^{12b})_tN(R^{12a}R^{12b})$, $-(CR^{12a}R^{12b})_tC(O)NR^{12a}R^{12b}$, $-(CR^{12a}R^{12b})_tOR^{12a}$, $-(CR^{12a}R^{12b})_tS(O)R^{12a}$, and $-(CR^{12a}R^{12b})_tS(O)_2R^{12a}$, wherein each of said C_1 - C_6 alkyl, C_3 - C_{11} cycloalkyl, C_6 - C_{10} aryl, C_2 - C_{10} heterocyclyl, and heteroaryl groups is optionally substituted with one or more R^{14} ;

each R^{14} is independently selected from C_1 - C_6 alkyl, halogen, $-CN$, $-CF_3$, and $-OR^{12a}$; and

each t is independently selected from 0, 1, 2, 3, 4, 5, and 6; or a pharmaceutically acceptable salt or solvate thereof.

Yet another embodiment provides compounds of formula (I), wherein:

R^1 , R^2 , R^3 , R^4 are independently selected from hydrogen, C_1 - C_6 alkyl, halo, $-CN$, $-OR^{12a}$, and $-CF_3$;

R^5 is hydrogen;

R^6 , R^7 , R^8 , and R^9 are hydrogen;

R^{10} and R^{11} , together with the atom to which they are attached, form a C_2 - C_{10} heterocyclyl group, optionally substituted with one or more R^{13} ;

each R^{12a} and R^{12b} is independently selected from hydrogen and C_1 - C_6 alkyl; or

R^{12a} and R^{12b} , together with the atom to which they are attached, form a C_3 - C_{11} cycloalkyl or a C_2 - C_{10} heterocyclyl group;

each R^{13} is independently selected from C_1 - C_6 alkyl, halogen, $-(CR^{12a}R^{12b})_tCN$, $-(CR^{12a}R^{12b})_tCF_3$, $-(CR^{12a}R^{12b})_tOCF_3$, $-(CR^{12a}R^{12b})_tC_3$ - C_{11} cycloalkyl, $-(CR^{12a}R^{12b})_tC_6$ - C_{10} aryl, $-(CR^{12a}R^{12b})_tC_2$ - C_{10} heterocyclyl, $-(CR^{12a}R^{12b})_theteroaryl$, $-O(CR^{12a}R^{12b})_tR^{12a}$, $-O(CR^{12a}R^{12b})_tC_6$ - C_{10} aryl, $-O(CR^{12a}R^{12b})_tC_2$ - C_{10} heterocyclyl, $-O(CR^{12a}R^{12b})_theteroaryl$, $-(CR^{12a}R^{12b})_tCO_2(C_1$ - C_6 alkyl), $-(CR^{12a}R^{12b})_tN(R^{12a}R^{12b})$, $-(CR^{12a}R^{12b})_tC(O)NR^{12a}R^{12b}$, $-(CR^{12a}R^{12b})_tOR^{12a}$, $-(CR^{12a}R^{12b})_tS(O)R^{12a}$, and $-(CR^{12a}R^{12b})_tS(O)_2R^{12a}$, wherein each of said C_1 - C_6 alkyl, C_3 - C_{11} cycloalkyl, C_6 - C_{10} aryl, C_2 - C_{10} heterocyclyl, and heteroaryl groups is optionally substituted with one or more R^{14} ;

each R^{14} is independently selected from C_1 - C_6 alkyl, halogen, $-CN$, $-CF_3$, and $-OR^{12a}$; and

each t is independently selected from 0, 1, 2, 3, 4, 5, and 6; or a pharmaceutically acceptable salt or solvate thereof.

In another embodiment are provided compounds of formula (I), wherein:

R^1 , R^2 , R^3 , R^4 are independently selected from hydrogen, C_1 - C_6 alkyl, halo, $-CN$, $-OR^{12a}$, and $-CF_3$;

R^5 is hydrogen;

R^6 , R^7 , R^8 , and R^9 are hydrogen;

R^{10} and R^{11} , together with the atom to which they are attached, form a C_2 - C_{10} heterocyclyl group, optionally substituted with one or more R^{13} ;

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R^{12a} is hydrogen or C₁-C₆ alkyl; and

each R¹³ is independently selected from C₁-C₆ alkyl, halogen, -CN, -CF₃, and -OCF₃; or a pharmaceutically acceptable salt or solvate thereof.

5 In still another embodiment are afforded compounds of formula (I), wherein:

R¹, R³, and R⁴ are hydrogen;

R² is C₁-C₆ alkyl, halo, -CN, -OR^{12a}, or -CF₃;

R⁵ is hydrogen;

R⁶, R⁷, R⁸, and R⁹ are hydrogen;

10 R¹⁰ and R¹¹, together with the atom to which they are attached, form a C₂-C₁₀ heterocyclyl group, optionally substituted with one or more R¹³;

R^{12a} is hydrogen or C₁-C₆ alkyl; and

each R¹³ is independently selected from C₁-C₆ alkyl, halogen, -CN, -CF₃, and -OCF₃; or a pharmaceutically acceptable salt or solvate thereof.

15

In a further embodiment are provided compounds of formula (I), wherein:

R¹, R³, and R⁴ are hydrogen;

R² is C₁-C₆ alkyl, -Cl, -F, -CN, -OCH₃, -OCH₂CH₃, or -CF₃;

R⁵ is hydrogen;

20 R⁶, R⁷, R⁸, and R⁹ are hydrogen;

R¹⁰ and R¹¹, together with the atom to which they are attached, form a C₂-C₁₀ heterocyclyl group, optionally substituted with one or more R¹³; and

each R¹³ is independently selected from C₁-C₆ alkyl, halogen, -CN, -CF₃, and -OCF₃; or a pharmaceutically acceptable salt or solvate thereof.

25

A further embodiment affords compounds of formula (I), wherein:

R¹, R², and R⁴ are hydrogen;

R³ is C₁-C₆ alkyl, -Cl, -F, -CN, -OCH₃, -OCH₂CH₃, or -CF₃;

R⁵ is hydrogen;

30 R⁶, R⁷, R⁸, and R⁹ are hydrogen;

R¹⁰ and R¹¹, together with the atom to which they are attached, form a C₂-C₁₀ heterocyclyl group, optionally substituted with one or more R¹³; and

each R¹³ is independently selected from C₁-C₆ alkyl, halogen, -CN, -CF₃, and -OCF₃; or a pharmaceutically acceptable salt or solvate thereof.

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In still a further embodiment are provided compounds of formula (I), wherein:

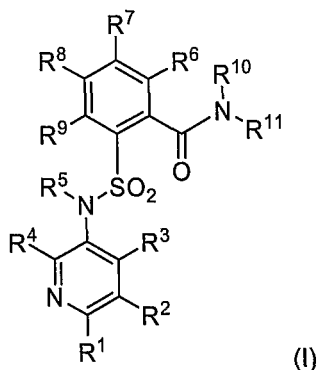
R¹, R², R³, R⁴, R⁵, R⁶, R⁷, R⁸, and R⁹ are hydrogen;

R¹⁰ and R¹¹, together with the atom to which they are attached, form a C₂-C₁₀ heterocyclyl group, optionally substituted with one or more R¹³; and

40 each R¹³ is independently selected from C₁-C₆ alkyl, halogen, -CN, -CF₃, and -OCF₃; or a pharmaceutically acceptable salt or solvate thereof.

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In another embodiment are provided compounds of formula (I),



wherein:

- 5 R^1, R^2, R^3, R^4 are independently selected from hydrogen, C_1-C_6 alkyl, $-(CR^{12a}R^{12b})_t\text{halo}$, $-(CR^{12a}R^{12b})_t\text{CN}$, $-(CR^{12a}R^{12b})_t\text{OR}^{12a}$, and $-(CR^{12a}R^{12b})_t\text{N}(R^{12a}R^{12b})$;
- R^5 is hydrogen or C_1-C_6 alkyl;
- R^6, R^7, R^8 , and R^9 are independently selected from hydrogen, C_1-C_6 alkyl, $-(CR^{12a}R^{12b})_t\text{halo}$, $-(CR^{12a}R^{12b})_t\text{CN}$, $-(CR^{12a}R^{12b})_t\text{OR}^{12a}$, and $-(CR^{12a}R^{12b})_t\text{N}(R^{12a}R^{12b})$;
- 10 R^{10} and R^{11} are independently selected from hydrogen, $-(CR^{12a}R^{12b})_tC_1-C_6$ alkyl, $-(CR^{12a}R^{12b})_tC_3-C_{11}$ cycloalkyl, $-(CR^{12a}R^{12b})_tC_6-C_{10}$ aryl, $-(CR^{12a}R^{12b})_tC_2-C_{10}$ heterocyclyl, and $-(CR^{12a}R^{12b})_t\text{heteroaryl}$, wherein each of said C_1-C_6 alkyl, C_3-C_{11} cycloalkyl, C_6-C_{10} aryl, C_2-C_{10} heterocyclyl, and heteroaryl groups is optionally substituted with at least one R^{13} ; or
- R^{10} and R^{11} , together with the atom to which they are attached, form a C_2-C_{10}
- 15 heterocyclyl group, optionally substituted with at least one R^{13} ;
- each R^{12a} and R^{12b} is independently selected from hydrogen and C_1-C_6 alkyl; or
- R^{12a} and R^{12b} , together with the atom to which they are attached, form a C_3-C_{11} cycloalkyl group;
- each R^{13} is independently selected from C_1-C_6 alkyl, halogen, $-O(CR^{12a}R^{12b})_tR^{12a}$,
- 20 $-O(CR^{12a}R^{12b})_tC_6-C_{10}$ aryl, $-O(CR^{12a}R^{12b})_tC_2-C_{10}$ heterocyclyl, $-O(CR^{12a}R^{12b})_t\text{heteroaryl}$, $-\text{CO}_2(C_1-C_6 \text{ alkyl})$, $-(CR^{12a}R^{12b})_t\text{N}(R^{12a}R^{12b})$, $-\text{C}(\text{O})\text{NR}^{12a}R^{12b}$, and $-(CR^{12a}R^{12b})_t\text{OR}^{12a}$ wherein each of said C_1-C_6 alkyl, C_6-C_{10} aryl, C_2-C_{10} heterocyclyl, and heteroaryl groups is optionally substituted with at least one R^{14} ;
- each R^{14} is independently selected from C_1-C_6 alkyl, halogen, and $-\text{OR}^{12a}$; and
- 25 each t is independently selected from 0, 1, 2, 3, 4, 5, and 6; or
- a pharmaceutically acceptable salt or solvate thereof.

In other embodiments are provided compounds of formula (I), wherein:

- R^1, R^2, R^3, R^4 are independently selected from hydrogen, C_1-C_6 alkyl, $-(CR^{12a}R^{12b})_t\text{halo}$, $-(CR^{12a}R^{12b})_t\text{CN}$, $-(CR^{12a}R^{12b})_t\text{OR}^{12a}$, and $-(CR^{12a}R^{12b})_t\text{N}(R^{12a}R^{12b})$;
- 30 R^5 is hydrogen or C_1-C_6 alkyl;
- R^6, R^7, R^8 , and R^9 are independently selected from hydrogen, C_1-C_6 alkyl, $-(CR^{12a}R^{12b})_t\text{halo}$, $-(CR^{12a}R^{12b})_t\text{CN}$, $-(CR^{12a}R^{12b})_t\text{OR}^{12a}$, and $-(CR^{12a}R^{12b})_t\text{N}(R^{12a}R^{12b})$;

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R^{10} and R^{11} are independently selected from hydrogen, $-(CR^{12a}R^{12b})_tC_1-C_6$ alkyl, $-(CR^{12a}R^{12b})_tC_3-C_{11}$ cycloalkyl, $-(CR^{12a}R^{12b})_tC_6-C_{10}$ aryl, $-(CR^{12a}R^{12b})_tC_2-C_{10}$ heterocyclyl, and $-(CR^{12a}R^{12b})_theteroaryl$, wherein each of said C_1-C_6 alkyl, C_3-C_{11} cycloalkyl, C_6-C_{10} aryl, C_2-C_{10} heterocyclyl, and heteroaryl groups is optionally substituted with at least one R^{13} ; or

5 R^{10} and R^{11} , together with the atom to which they are attached, form a C_2-C_{10} heterocyclyl group, optionally substituted with at least one R^{13} ;

each R^{12a} and R^{12b} is independently selected from hydrogen and C_1-C_6 alkyl; or

R^{12a} and R^{12b} , together with the atom to which they are attached, form a C_3-C_{11} cycloalkyl group;

10 each R^{13} is independently selected from C_1-C_6 alkyl, halogen, $-O(CR^{12a}R^{12b})_tR^{12a}$, $-O(CR^{12a}R^{12b})_tC_6-C_{10}$ aryl, $-O(CR^{12a}R^{12b})_tC_2-C_{10}$ heterocyclyl, $-O(CR^{12a}R^{12b})_theteroaryl$, $-CO_2(C_1-C_6$ alkyl), and $-(CR^{12a}R^{12b})_tN(R^{12a}R^{12b})$, wherein each of said C_1-C_6 alkyl, C_6-C_{10} aryl, C_2-C_{10} heterocyclyl, and heteroaryl groups is optionally substituted with at least one R^{14} ;

each R^{14} is independently selected from C_1-C_6 alkyl, halogen, and $-OR^{12a}$; and

15 each t is independently selected from 0, 1, 2, 3, 4, 5, and 6; or

a pharmaceutically acceptable salt or solvate thereof.

In other embodiments are provided compounds of formula (I), wherein R^1 , R^2 , R^3 , and R^4 are hydrogen.

In other embodiments are provided compounds of formula (I), wherein R^6 , R^7 , R^8 , and R^9 are hydrogen.

20 In other embodiments are provided compounds of formula (I), wherein R^1 , R^2 , R^3 , R^4 , R^6 , R^7 , R^8 , and R^9 are hydrogen.

In other embodiments are provided compounds of formula (I), wherein R^5 is hydrogen.

In other embodiments are provided compounds of formula (I), wherein R^{10} is hydrogen and R^{11} is $-(CR^{12a}R^{12b})_tC_1-C_6$ alkyl, $-(CR^{12a}R^{12b})_tC_3-C_{11}$ cycloalkyl, $-(CR^{12a}R^{12b})_tC_6-C_{10}$ aryl, $-(CR^{12a}R^{12b})_tC_2-C_{10}$ heterocyclyl, and $-(CR^{12a}R^{12b})_theteroaryl$, wherein each of said C_1-C_6 alkyl, C_3-C_{11} cycloalkyl, C_6-C_{10} aryl, C_2-C_{10} heterocyclyl, and heteroaryl groups is optionally substituted with at least one R^{13} .

In other embodiments are provided compounds of formula (I), wherein:

30 R^{11} is selected from $-(CR^{12a}R^{12b})_tC_1-C_6$ alkyl, $-(CR^{12a}R^{12b})_tC_3-C_{11}$ cycloalkyl, $-(CR^{12a}R^{12b})_tC_6-C_{10}$ aryl, $-(CR^{12a}R^{12b})_tC_2-C_{10}$ heterocyclyl, and $-(CR^{12a}R^{12b})_theteroaryl$, wherein each of said C_1-C_6 alkyl, C_3-C_{11} cycloalkyl, C_6-C_{10} aryl, C_2-C_{10} heterocyclyl, and heteroaryl groups is optionally substituted with at least one R^{13} ; and

t is 1 or 2.

35 In other embodiments are provided compounds of formula (I), wherein R^{11} is C_1-C_6 alkyl and $-(CH_2)C_6-C_{10}$ aryl, wherein said C_1-C_6 and aryl groups are optionally substituted with at least one substituent independently selected from C_1-C_6 alkyl, halogen, and $-OR^{12a}$.

In other embodiments are provided compounds of formula (I), wherein R^{11} is C_1-C_6 alkyl.

In other embodiments are provided compounds of formula (I), wherein R^{10} and R^{11} , together with the atom to which they are attached, form a C_2-C_{10} heterocyclyl group, optionally substituted with at least one R^{13} .

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In other embodiments are provided compounds of formula (I), wherein said C₂-C₁₀ heterocyclyl group is optionally substituted with at least one substituent independently selected from C₁-C₆ alkyl, C₆-C₁₀ aryl, -OH, -OCH₃, heteroaryl, and -CO₂(C₁-C₆ alkyl), wherein said C₆-C₁₀ aryl and heteroaryl groups are optionally substituted with at least one halogen or C₁-C₆ alkyl group.

In other embodiments are provided compounds of formula (I), wherein said C₂-C₁₀ heterocyclyl group is selected from 2,7-diazaspiro[3.5]non-7-yl, 2,7-diazaspiro[3.5]non-2-yl, piperazinyl, piperidinyl, morpholinyl, and pyrrolidinyl.

In other embodiments are provided compounds of formula (I), selected from N-[1,1-dimethyl-2-(4-methylpiperidin-1-yl)ethyl]-2-[(pyridin-3-ylamino)sulfonyl]benzamide; N-(1,1-dimethyl-2-piperidin-1-ylethyl)-2-[(pyridin-3-ylamino)sulfonyl]benzamide; N-(1,1-dimethyl-2-pyrrolidin-1-ylethyl)-2-[(pyridin-3-ylamino)sulfonyl]benzamide; N-(1-cyclopropyl-1-methylethyl)-2-[(pyridin-3-ylamino)sulfonyl]benzamide; N-(2-fluorobenzyl)-2-[(pyridin-3-ylamino)sulfonyl]benzamide; 2-(2,7-diazaspiro[3.5]non-7-ylcarbonyl)-N-pyridin-3-ylbenzenesulfonamide; 2-(2,7-diazaspiro[3.5]non-2-ylcarbonyl)-N-pyridin-3-ylbenzenesulfonamide; N-cyclohexyl-2-[(pyridin-3-ylamino)sulfonyl]benzamide; N-(4-fluorobenzyl)-2-[(pyridin-3-ylamino)sulfonyl]benzamide; tert-butyl 7-{2-[(pyridin-3-ylamino)sulfonyl]benzoyl}-2,7-diazaspiro[3.5]nonane-2-carboxylate; tert-butyl 2-{2-[(pyridin-3-ylamino)sulfonyl]benzoyl}-2,7-diazaspiro[3.5]nonane-7-carboxylate; N-benzyl-2-[(pyridin-3-ylamino)sulfonyl]benzamide; 2-[(4-(4-fluorophenyl)piperazin-1-yl)carbonyl]-N-pyridin-3-ylbenzenesulfonamide; N-(tert-butyl)-2-[(pyridin-3-ylamino)sulfonyl]benzamide; N-methyl-2-(piperidin-1-ylcarbonyl)-N-pyridin-3-ylbenzenesulfonamide; N-(5-methoxypyridin-3-yl)-2-(piperidin-1-ylcarbonyl)benzenesulfonamide; N-butyl-2-[(5-methoxypyridin-3-yl)amino]sulfonylbenzamide; N-(4-methoxypyridin-3-yl)-2-(piperidin-1-ylcarbonyl)benzenesulfonamide; N-butyl-2-[(4-methoxypyridin-3-yl)amino]sulfonylbenzamide; N-pyridin-3-yl-2-(pyrrolidin-1-ylcarbonyl)benzenesulfonamide; 2-(morpholin-4-ylcarbonyl)-N-pyridin-3-ylbenzenesulfonamide; N-(5-cyanopyridin-3-yl)-2-(piperidin-1-ylcarbonyl)benzenesulfonamide; N-[1-(hydroxymethyl)cyclopentyl]-2-[(pyridin-3-ylamino)sulfonyl]benzamide; N-butyl-2-[(5-cyanopyridin-3-yl)amino]sulfonylbenzamide; 2-[(3,5-dimethylpiperidin-1-yl)carbonyl]-N-pyridin-3-ylbenzenesulfonamide; 2-[(4-methoxypiperidin-1-yl)carbonyl]-N-pyridin-3-ylbenzenesulfonamide; 2-[(2R,6S)-2,6-dimethylmorpholin-4-yl]carbonyl]-N-pyridin-3-ylbenzenesulfonamide; 2-[(4-hydroxypiperidin-1-yl)carbonyl]-N-pyridin-3-ylbenzenesulfonamide; 2-[(3,3-dimethylpiperidin-1-yl)carbonyl]-N-pyridin-3-ylbenzenesulfonamide; N-(5-methylpyridin-3-yl)-2-(piperidin-1-ylcarbonyl)benzenesulfonamide; N-butyl-2-[(5-methylpyridin-3-yl)amino]sulfonylbenzamide; N-(2-methyl-2-morpholin-4-ylpropyl)-2-[(pyridin-3-ylamino)sulfonyl]benzamide; N-(1,1-dimethyl-2-morpholin-4-ylethyl)-2-[(pyridin-3-ylamino)sulfonyl]benzamide; N-[2-(benzyloxy)-1,1-dimethylethyl]-2-[(pyridin-3-ylamino)sulfonyl]benzamide; 2-[(4-methylpiperazin-1-yl)carbonyl]-N-pyridin-3-ylbenzenesulfonamide; ethyl 4-{2-[(pyridin-3-ylamino)sulfonyl]benzoyl}piperazine-1-carboxylate; N-[2-(dimethylamino)ethyl]-2-[(pyridin-3-ylamino)sulfonyl]benzamide; N-(1,1-dimethylpropyl)-2-[(pyridin-3-ylamino)sulfonyl]benzamide; N-(2-hydroxy-1,1-dimethylethyl)-2-[(pyridin-3-

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ylamino)sulfonyl]benzamide; N-ethyl-N-[2-(1H-pyrazol-1-yl)ethyl]-2-[(pyridin-3-ylamino)sulfonyl]benzamide; 2-[(4-methylpiperidin-1-yl)carbonyl]-N-pyridin-3-ylbenzenesulfonamide; N-(3-methylbutyl)-2-[(pyridin-3-ylamino)sulfonyl]benzamide; N-(3-fluorobenzyl)-2-[(pyridin-3-ylamino)sulfonyl]benzamide; N-(2,2-dimethylpropyl)-2-[(pyridin-3-ylamino)sulfonyl]benzamide; N-(2,6-dimethoxybenzyl)-2-[(pyridin-3-ylamino)sulfonyl]benzamide; N-(3-methoxybenzyl)-2-[(pyridin-3-ylamino)sulfonyl]benzamide; N-methyl-N-pentyl-2-[(pyridin-3-ylamino)sulfonyl]benzamide; N-(cyclopropylmethyl)-2-[(pyridin-3-ylamino)sulfonyl]benzamide; N-isopropyl-2-[(pyridin-3-ylamino)sulfonyl]benzamide; N-propyl-2-[(pyridin-3-ylamino)sulfonyl]benzamide; N-(3,5-dimethoxybenzyl)-2-[(pyridin-3-ylamino)sulfonyl]benzamide; N-(1H-indol-4-ylmethyl)-2-[(pyridin-3-ylamino)sulfonyl]benzamide; N-(2,4-dimethoxybenzyl)-2-[(pyridin-3-ylamino)sulfonyl]benzamide; N-(cyclopropylmethyl)-N-propyl-2-[(pyridin-3-ylamino)sulfonyl]benzamide; N-benzyl-N-methyl-2-[(pyridin-3-ylamino)sulfonyl]benzamide; N-(2-phenoxyethyl)-2-[(pyridin-3-ylamino)sulfonyl]benzamide; N-(4-methoxybenzyl)-2-[(pyridin-3-ylamino)sulfonyl]benzamide; N-(2,3-dihydro-1H-inden-2-yl)-2-[(pyridin-3-ylamino)sulfonyl]benzamide; N-(3-butoxypropyl)-2-[(pyridin-3-ylamino)sulfonyl]benzamide; N-[2-(3-methoxyphenyl)ethyl]-2-[(pyridin-3-ylamino)sulfonyl]benzamide; N-pentyl-2-[(pyridin-3-ylamino)sulfonyl]benzamide; N-pyridin-3-yl-2-[(4-pyridin-2-yl)piperazin-1-yl]carbonyl]benzenesulfonamide; N-butyl-2-[(pyridin-3-ylamino)sulfonyl]benzamide; N-(cyclopentylmethyl)-2-[(pyridin-3-ylamino)sulfonyl]benzamide; N-cyclobutyl-2-[(pyridin-3-ylamino)sulfonyl]benzamide; 2-[(pyridin-3-ylamino)sulfonyl]-N-(2-pyridin-2-ylethyl)benzamide; 2-(piperidin-1-ylcarbonyl)-N-pyridin-3-ylbenzenesulfonamide; N-methyl-N-(2-phenylethyl)-2-[(pyridin-3-ylamino)sulfonyl]benzamide; 2-[(pyridin-3-ylamino)sulfonyl]-N-(3-pyridin-2-ylpropyl)benzamide; N-(1,1-dimethyl-2-morpholin-4-ylethyl)-2-[(pyridin-3-ylmethyl)sulfinyl]benzamide; N-[3-(difluoromethoxy)benzyl]-2-[(pyridin-3-ylamino)sulfonyl]benzamide; N-(2-ethoxybenzyl)-2-[(pyridin-3-ylamino)sulfonyl]benzamide; N-(2-fluorobenzyl)-N-methyl-2-[(pyridin-3-ylamino)sulfonyl]benzamide; N-(2-methylbenzyl)-2-[(pyridin-3-ylamino)sulfonyl]benzamide; N-[2-(2-methylphenyl)ethyl]-2-[(pyridin-3-ylamino)sulfonyl]benzamide; N-[2-(3-methylphenyl)ethyl]-2-[(pyridin-3-ylamino)sulfonyl]benzamide; N-(2-phenylethyl)-2-[(pyridin-3-ylamino)sulfonyl]benzamide; N-benzyl-N-ethyl-2-[(pyridin-3-ylamino)sulfonyl]benzamide; N-(4-methylbenzyl)-2-[(pyridin-3-ylamino)sulfonyl]benzamide; N-(3-methylbenzyl)-2-[(pyridin-3-ylamino)sulfonyl]benzamide; N-[4-[(methylamino)carbonyl]benzyl]-2-[(pyridin-3-ylamino)sulfonyl]benzamide; N-(2,3-dihydro-1-benzofuran-5-ylmethyl)-2-[(pyridin-3-ylamino)sulfonyl]benzamide; 2-(3,4-dihydroisoquinolin-2(1H)-ylcarbonyl)-N-pyridin-3-ylbenzenesulfonamide; N-{4-[(dimethylamino)methyl]benzyl}-2-[(pyridin-3-ylamino)sulfonyl]benzamide; N-(3,4-difluorobenzyl)-2-[(pyridin-3-ylamino)sulfonyl]benzamide; N-[4-(1-hydroxy-1-methylethyl)benzyl]-2-[(pyridin-3-ylamino)sulfonyl]benzamide; N-(2,3-difluorobenzyl)-2-[(pyridin-3-ylamino)sulfonyl]benzamide; 2-(1,3-dihydro-2H-isindol-2-ylcarbonyl)-N-pyridin-3-ylbenzenesulfonamide; 2-(anilinosulfonyl)-N-(quinolin-6-ylmethyl)benzamide; 2-(anilinosulfonyl)-N-(2-methoxybenzyl)benzamide; and N-(3,4-difluorobenzyl)-2-[[4-methoxypyridin-3-yl]amino]sulfonyl]-N-methylbenzamide; or a pharmaceutically acceptable salt or solvate thereof.

Another embodiment provides a compound selected from N-(3,4-difluorobenzyl)-2-[[5-methoxypyridin-3-yl]amino]sulfonyl}benzamide; N-(3,4-difluorobenzyl)-2-[[5-methylpyridin-3-yl]amino]sulfonyl}benzamide; N-(3,4-dichlorobenzyl)-2-[[5-methylpyridin-3-yl]amino]sulfonyl}benzamide; N-[4-fluoro-3-(trifluoromethyl)benzyl]-2-[[5-methylpyridin-3-yl]amino]sulfonyl}benzamide; N-(3,4-dichlorobenzyl)-2-[[5-methoxypyridin-3-yl]amino]sulfonyl}benzamide; N-[4-fluoro-3-(trifluoromethyl)benzyl]-2-[[5-methoxypyridin-3-yl]amino]sulfonyl}benzamide; N-(3,4-dichlorobenzyl)-2-[[5-ethoxypyridin-3-yl]amino]sulfonyl}benzamide; N-(3,4-difluorobenzyl)-2-[[5-ethoxypyridin-3-yl]amino]sulfonyl}benzamide; N-(3,4-difluorobenzyl)-2-[[5-ethoxypyridin-3-yl]amino]sulfonyl}-N-methylbenzamide; 2-[[5-ethoxypyridin-3-yl]amino]sulfonyl}-N-[4-fluoro-3-(trifluoromethyl)benzyl]benzamide; N-(3,4-difluorobenzyl)-N-methyl-2-[[5-methylpyridin-3-yl]amino]sulfonyl}benzamide; N-(3,4-difluorobenzyl)-2-[[5-methoxypyridin-3-yl]amino]sulfonyl}-N-methylbenzamide; N-(4-fluorobenzyl)-2-[[5-methoxypyridin-3-yl]amino]sulfonyl}-5-(2-morpholin-4-ylethoxy)benzamide; N-(4-fluorobenzyl)-2-[[5-methoxypyridin-3-yl]amino]sulfonyl}-5-(piperidin-4-yloxy)benzamide; N-(3-chloro-4-fluorobenzyl)-2-[[5-methoxypyridin-3-yl]amino]sulfonyl}benzamide; N-(3,4-difluorobenzyl)-2-[[4-methoxypyridin-3-yl]amino]sulfonyl}-N-methylbenzamide; N-[4-fluoro-3-(trifluoromethyl)benzyl]-2-[[4-methoxypyridin-3-yl]amino]sulfonyl}benzamide; N-(3,4-difluorobenzyl)-2-[[4-ethoxypyridin-3-yl]amino]sulfonyl}benzamide; N-(3,4-difluorobenzyl)-2-[[4-ethoxypyridin-3-yl]amino]sulfonyl}-N-methylbenzamide; 2-[[4-ethoxypyridin-3-yl]amino]sulfonyl}-N-[4-fluoro-3-(trifluoromethyl)benzyl]benzamide; N-(4-chloro-2-methylbenzyl)-2-[[5-methoxypyridin-3-yl]amino]sulfonyl}benzamide; N-(2-chloro-6-fluorobenzyl)-2-[[5-methoxypyridin-3-yl]amino]sulfonyl}benzamide; N-(2,4-difluorobenzyl)-2-[[5-methoxypyridin-3-yl]amino]sulfonyl}benzamide; N-(3-chloro-2-methylbenzyl)-2-[[5-methoxypyridin-3-yl]amino]sulfonyl}benzamide; N-(2-fluorobenzyl)-2-[[5-methoxypyridin-3-yl]amino]sulfonyl}-N-methylbenzamide; N-(3-chlorobenzyl)-2-[[5-methoxypyridin-3-yl]amino]sulfonyl}benzamide; N-(2,3-dichlorobenzyl)-2-[[5-methoxypyridin-3-yl]amino]sulfonyl}benzamide; N-(2-chloro-4-fluorobenzyl)-2-[[5-methoxypyridin-3-yl]amino]sulfonyl}benzamide; N-[1-(4-chlorophenyl)ethyl]-2-[[5-methoxypyridin-3-yl]amino]sulfonyl}benzamide; N-(3-chloro-2-fluorobenzyl)-2-[[5-methylpyridin-3-yl]amino]sulfonyl}benzamide; N-(3-chloro-4-fluorobenzyl)-2-[[5-methylpyridin-3-yl]amino]sulfonyl}benzamide; N-(3-fluoro-4-methylbenzyl)-2-[[5-methylpyridin-3-yl]amino]sulfonyl}benzamide; N-(3,5-dichlorobenzyl)-2-[[5-methylpyridin-3-yl]amino]sulfonyl}benzamide; N-[1-(3,4-difluorophenyl)-1-methylethyl]-2-[[5-methoxypyridin-3-yl]amino]sulfonyl}benzamide; N-methyl-2-[[5-methylpyridin-3-yl]amino]sulfonyl}-N-[4-(trifluoromethyl)benzyl]benzamide; N-(3-chloro-4-methylbenzyl)-2-[[5-methoxypyridin-3-yl]amino]sulfonyl}benzamide; N-(4-chloro-3-fluorobenzyl)-2-[[5-methoxypyridin-3-yl]amino]sulfonyl}benzamide; 2-[[4-ethoxypyridin-3-yl]amino]sulfonyl}-N-methyl-N-[4-(trifluoromethyl)benzyl]benzamide; and N-(4-fluorobenzyl)-5-methoxy-2-[[5-methoxypyridin-3-yl]amino]sulfonyl}benzamide; or a pharmaceutically acceptable salt or solvate thereof.

A further embodiment provides a compound selected from N-(3,4-difluorobenzyl)-2-[[4-methoxypyridin-3-yl]amino]sulfonyl}benzamide; N-(3,4-difluorobenzyl)-2-[[4-methoxypyridin-3-

yl)amino]sulfonyl}-N-methylbenzamide; N-[4-fluoro-3-(trifluoromethyl)benzyl]-2-[[[4-methoxypyridin-3-yl)amino]sulfonyl]benzamide; N-(3,4-difluorobenzyl)-2-[[[4-ethoxypyridin-3-yl)amino]sulfonyl]benzamide; N-(3,4-difluorobenzyl)-2-[[[4-ethoxypyridin-3-yl)amino]sulfonyl]-N-methylbenzamide; 2-[[[4-ethoxypyridin-3-yl)amino]sulfonyl]-N-[4-fluoro-3-(trifluoromethyl)benzyl]benzamide; N-(4-fluorobenzyl)-2-[[[4-methoxypyridin-3-yl)amino]sulfonyl]-N-methylbenzamide; 2-[[[4-ethoxypyridin-3-yl)amino]sulfonyl]-N-(4-fluorobenzyl)-N-methylbenzamide; N-(2-fluorobenzyl)-2-[[[4-methoxypyridin-3-yl)amino]sulfonyl]-N-methylbenzamide; 2-[[[4-ethoxypyridin-3-yl)amino]sulfonyl]-N-(2-fluorobenzyl)-N-methylbenzamide; 2-[[[4-methoxypyridin-3-yl)amino]sulfonyl]-N-methyl-N-[4-(trifluoromethyl)benzyl]benzamide; 2-[[[4-ethoxypyridin-3-yl)amino]sulfonyl]-N-methyl-N-[4-(trifluoromethyl)benzyl]benzamide; N-(3-fluorobenzyl)-2-[[[4-methoxypyridin-3-yl)amino]sulfonyl]-N-methylbenzamide; and 2-[[[4-ethoxypyridin-3-yl)amino]sulfonyl]-N-(3-fluorobenzyl)-N-methylbenzamide; or a pharmaceutically acceptable salt or solvate thereof.

Still another embodiment provides a compound selected from N-butyl-2-[[[4-methoxypyridin-3-yl)amino]sulfonyl]benzamide; N-(4-methoxypyridin-3-yl)-2-(piperidin-1-ylcarbonyl)benzenesulfonamide; N-butyl-2-[[[4-methoxypyridin-3-yl)amino]sulfonyl]-N-methylbenzamide; N-isopropyl-2-[[[4-methoxypyridin-3-yl)amino]sulfonyl]-N-methylbenzamide; 2-[[[4-methoxypyridin-3-yl)amino]sulfonyl]-N-methyl-N-pentylbenzamide; 2-[[[4-methoxypyridin-3-yl)amino]sulfonyl]-N-(3-methylbutyl)benzamide; N-(1-cyclopropylethyl)-2-[[[4-methoxypyridin-3-yl)amino]sulfonyl]benzamide; 2-[[[4-methoxypyridin-3-yl)amino]sulfonyl]-N-[2-(2-methylphenyl)ethyl]benzamide; N-butyl-2-[[[4-methoxypyridin-3-yl)amino]sulfonyl]-N-methylbenzamide; 2-[[[4-ethoxypyridin-3-yl)amino]sulfonyl]-N-isopropyl-N-methylbenzamide; 2-[[[4-ethoxypyridin-3-yl)amino]sulfonyl]-N-methyl-N-pentylbenzamide; 2-[[[4-ethoxypyridin-3-yl)amino]sulfonyl]-N-(3-methylbutyl)benzamide; N-(1-cyclopropylethyl)-2-[[[4-ethoxypyridin-3-yl)amino]sulfonyl]benzamide; 2-[[[4-ethoxypyridin-3-yl)amino]sulfonyl]-N-[2-(2-methylphenyl)ethyl]benzamide; N-(3,4-difluorobenzyl)-2-[[[4-methoxypyridin-3-yl)amino]sulfonyl]benzamide; N-(3,4-difluorobenzyl)-2-[[[4-methoxypyridin-3-yl)amino]sulfonyl]-N-methylbenzamide; N-[4-fluoro-3-(trifluoromethyl)benzyl]-2-[[[4-methoxypyridin-3-yl)amino]sulfonyl]benzamide; N-(tert-butyl)-2-[[[4-methoxypyridin-3-yl)amino]sulfonyl]benzamide; N-(3,4-difluorobenzyl)-2-[[[4-ethoxypyridin-3-yl)amino]sulfonyl]benzamide; N-(3,4-difluorobenzyl)-2-[[[4-ethoxypyridin-3-yl)amino]sulfonyl]-N-methylbenzamide; 2-[[[4-ethoxypyridin-3-yl)amino]sulfonyl]-N-[4-fluoro-3-(trifluoromethyl)benzyl]benzamide; N-(tert-butyl)-2-[[[4-ethoxypyridin-3-yl)amino]sulfonyl]benzamide; 2-[[[4-methoxypyridin-3-yl)amino]sulfonyl]-N-(2-phenoxyethyl)benzamide; N-(2-ethoxyethyl)-2-[[[4-methoxypyridin-3-yl)amino]sulfonyl]benzamide; N-[2-(2-fluorophenyl)ethyl]-2-[[[4-methoxypyridin-3-yl)amino]sulfonyl]benzamide; 2-[[[4-methoxypyridin-3-yl)amino]sulfonyl]-N-[2-[2-(trifluoromethoxy)phenyl]ethyl]benzamide; N-[2-(2-chlorophenyl)ethyl]-2-[[[4-methoxypyridin-3-yl)amino]sulfonyl]benzamide; 2-[[[4-ethoxypyridin-3-yl)amino]sulfonyl]-N-(2-phenoxyethyl)benzamide; N-(2-ethoxyethyl)-2-[[[4-ethoxypyridin-3-yl)amino]sulfonyl]benzamide; 2-[[[4-ethoxypyridin-3-yl)amino]sulfonyl]-N-(2-methoxyethyl)benzamide; N-(2-methoxyethyl)-2-[[[4-ethoxypyridin-3-yl)amino]sulfonyl]-N-methylbenzamide; 2-[[[4-ethoxypyridin-3-

yl)amino]sulfonyl}-N-(2-methoxyethyl)-N-methylbenzamide; N-(4-fluorobenzyl)-2-[[[4-methoxypyridin-3-yl)amino]sulfonyl]-N-methylbenzamide; 2-[[[4-ethoxypyridin-3-yl)amino]sulfonyl]-N-(4-fluorobenzyl)-N-methylbenzamide; N-isopropyl-N-(2-methoxyethyl)-2-[[[4-methoxypyridin-3-yl)amino]sulfonyl]benzamide; 2-[[[4-ethoxypyridin-3-yl)amino]sulfonyl]-N-

5 isopropyl-N-(2-methoxyethyl)benzamide; N-(2-fluorobenzyl)-2-[[[4-methoxypyridin-3-yl)amino]sulfonyl]-N-methylbenzamide; 2-[[[4-ethoxypyridin-3-yl)amino]sulfonyl]-N-(2-fluorobenzyl)-N-methylbenzamide; 2-[[[4-methoxypyridin-3-yl)amino]sulfonyl]-N-methyl-N-[4-(trifluoromethyl)benzyl]benzamide; 2-[[[4-ethoxypyridin-3-yl)amino]sulfonyl]-N-methyl-N-[4-(trifluoromethyl)benzyl]benzamide; N-(sec-butyl)-2-[[[4-methoxypyridin-3-

10 yl)amino]sulfonyl]benzamide; N-(sec-butyl)-2-[[[4-ethoxypyridin-3-yl)amino]sulfonyl]benzamide; 2-[[[4-methoxypyridin-3-yl)amino]sulfonyl]-N-(2-methylbutyl)benzamide; 2-[[[4-ethoxypyridin-3-yl)amino]sulfonyl]-N-(2-methylbutyl)benzamide; N-[(1R)-1,2-dimethylpropyl]-2-[[[4-methoxypyridin-3-yl)amino]sulfonyl]benzamide; N-[(1R)-1,2-dimethylpropyl]-2-[[[4-ethoxypyridin-3-yl)amino]sulfonyl]benzamide; N-[(1S)-1,2-dimethylpropyl]-2-[[[4-methoxypyridin-3-

15 yl)amino]sulfonyl]benzamide; N-[(1S)-1,2-dimethylpropyl]-2-[[[4-ethoxypyridin-3-yl)amino]sulfonyl]benzamide; N-(1,1-dimethylpropyl)-2-[[[4-methoxypyridin-3-yl)amino]sulfonyl]benzamide; N-(1,1-dimethylpropyl)-2-[[[4-ethoxypyridin-3-yl)amino]sulfonyl]benzamide; N-(3-fluorobenzyl)-2-[[[4-methoxypyridin-3-yl)amino]sulfonyl]-N-methylbenzamide; and 2-[[[4-ethoxypyridin-3-yl)amino]sulfonyl]-N-(3-fluorobenzyl)-N-

20 methylbenzamide; or a pharmaceutically acceptable salt of solvate thereof.

A still further embodiment provides a compound selected from 2-[[[5-methoxypyridin-3-yl)amino]sulfonyl]-N-[2-(2-methylphenyl)ethyl]benzamide; N-(3,4-difluorobenzyl)-2-[[[5-methoxypyridin-3-yl)amino]sulfonyl]benzamide; N-butyl-2-[[[5-methoxypyridin-3-yl)amino]sulfonyl]-N-methylbenzamide; 2-[[[5-methoxypyridin-3-yl)amino]sulfonyl]-N-methyl-N-

25 pentylbenzamide; 2-[[[5-methoxypyridin-3-yl)amino]sulfonyl]-N-methyl-N-(3-methylbutyl)benzamide; N-(cyclopropylmethyl)-2-[[[5-methoxypyridin-3-yl)(methyl)amino]sulfonyl]-N-propylbenzamide; N-(3,4-dichlorobenzyl)-2-[[[5-methoxypyridin-3-yl)amino]sulfonyl]benzamide; N-[4-fluoro-3-(trifluoromethyl)benzyl]-2-[[[5-methoxypyridin-3-yl)amino]sulfonyl]benzamide; 2-[[[5-ethoxypyridin-3-yl)amino]sulfonyl]-N-(3-

30 methylbutyl)benzamide; 2-[[[5-ethoxypyridin-3-yl)amino]sulfonyl]-N-[2-(2-methylphenyl)ethyl]benzamide; N-(3,4-dichlorobenzyl)-2-[[[5-ethoxypyridin-3-yl)amino]sulfonyl]benzamide; N-(3,4-difluorobenzyl)-2-[[[5-ethoxypyridin-3-yl)amino]sulfonyl]-N-methylbenzamide; 2-[[[5-ethoxypyridin-3-yl)amino]sulfonyl]-N-[4-fluoro-3-

35 (trifluoromethyl)benzyl]benzamide; N-(3,4-difluorobenzyl)-2-[[[5-methoxypyridin-3-yl)amino]sulfonyl]-N-methylbenzamide; N-(4-fluorobenzyl)-2-[[[5-methoxypyridin-3-yl)amino]sulfonyl]-5-(2-morpholin-4-ylethoxy)benzamide; N-(4-fluorobenzyl)-2-[[[5-methoxypyridin-3-yl)amino]sulfonyl]-5-(piperidin-4-yloxy)benzamide; N-(3-chloro-4-fluorobenzyl)-2-[[[5-methoxypyridin-3-yl)amino]sulfonyl]benzamide; N-isopropyl-2-[[[5-methoxypyridin-3-

40 yl)amino]sulfonyl]-N-methyl-5-(2-morpholin-4-ylethoxy)benzamide; N-isopropyl-N-(2-methoxyethyl)-2-[[[5-methoxypyridin-3-yl)amino]sulfonyl]benzamide; N-isopropyl-2-[[[5-

methoxypyridin-3-yl)amino]sulfonyl)-N-methyl-5-(piperidin-4-yloxy)benzamide; N-[2-(2-chlorophenyl)ethyl]-2-[[[(5-methoxypyridin-3-yl)amino]sulfonyl]benzamide; N-[3-(2-methoxyphenyl)propyl]-2-[[[(5-methoxypyridin-3-yl)amino]sulfonyl]benzamide; N-(4-chloro-2-methylbenzyl)-2-[[[(5-methoxypyridin-3-yl)amino]sulfonyl]benzamide; N-(2-chloro-6-fluorobenzyl)-

5 2-[[[(5-methoxypyridin-3-yl)amino]sulfonyl]benzamide; N-(2,4-difluorobenzyl)-2-[[[(5-methoxypyridin-3-yl)amino]sulfonyl]benzamide; N-(1-isopropyl-2-methylpropyl)-2-[[[(5-methoxypyridin-3-yl)amino]sulfonyl]benzamide; N-(2-cyclopentylethyl)-2-[[[(5-methoxypyridin-3-yl)amino]sulfonyl]benzamide; N-(3-chloro-2-methylbenzyl)-2-[[[(5-methoxypyridin-3-yl)amino]sulfonyl]benzamide; N-2-adamantyl-2-[[[(5-methoxypyridin-3-

10 yl)amino]sulfonyl]benzamide; N-(cyclohexylmethyl)-2-[[[(5-methoxypyridin-3-yl)amino]sulfonyl]benzamide; N-[1-(4-chlorobenzyl)-2-hydroxyethyl]-2-[[[(5-methoxypyridin-3-yl)amino]sulfonyl]benzamide; N-(2-fluorobenzyl)-2-[[[(5-methoxypyridin-3-yl)amino]sulfonyl]-N-methylbenzamide; N-(1-ethylpropyl)-2-[[[(5-methoxypyridin-3-yl)amino]sulfonyl]benzamide; N-(3-chlorobenzyl)-2-[[[(5-methoxypyridin-3-yl)amino]sulfonyl]benzamide; N-[(1S)-2-cyclohexyl-1-

15 (hydroxymethyl)ethyl]-2-[[[(5-methoxypyridin-3-yl)amino]sulfonyl]benzamide; N-[(2-hydroxy-2-adamantyl)methyl]-2-[[[(5-methoxypyridin-3-yl)amino]sulfonyl]benzamide; N-(2,3-dichlorobenzyl)-2-[[[(5-methoxypyridin-3-yl)amino]sulfonyl]benzamide; N-(2-chloro-4-fluorobenzyl)-2-[[[(5-methoxypyridin-3-yl)amino]sulfonyl]benzamide; N-[1-(4-chlorophenyl)ethyl]-2-[[[(5-methoxypyridin-3-yl)amino]sulfonyl]benzamide; N-(3-chloro-2-fluorobenzyl)-2-[[[(5-

20 methoxypyridin-3-yl)amino]sulfonyl]benzamide; N-[2-(3-chlorophenyl)ethyl]-2-[[[(5-methoxypyridin-3-yl)amino]sulfonyl]benzamide; N-[1-(3,4-difluorophenyl)-1-methylethyl]-2-[[[(5-methoxypyridin-3-yl)amino]sulfonyl]benzamide; N-(3-chloro-4-methylbenzyl)-2-[[[(5-methoxypyridin-3-yl)amino]sulfonyl]benzamide; N-[2-(3,4-difluorophenyl)-1-methylethyl]-2-[[[(5-methoxypyridin-3-yl)amino]sulfonyl]benzamide; N-(4-chloro-3-fluorobenzyl)-2-[[[(5-

25 methoxypyridin-3-yl)amino]sulfonyl]benzamide; and N-(4-fluorobenzyl)-5-methoxy-2-[[[(5-methoxypyridin-3-yl)amino]sulfonyl]benzamide; or a pharmaceutically acceptable salt or solvate thereof.

In another embodiment is provided a compound selected from N-methyl-N-(3-methylbutyl)-2-[[[(5-methylpyridin-3-yl)amino]sulfonyl]benzamide; N-(cyclopentylmethyl)-N-

30 methyl-2-[[[(5-methylpyridin-3-yl)amino]sulfonyl]benzamide; N-methyl-2-[[[(5-methylpyridin-3-yl)amino]sulfonyl]-N-pentylbenzamide; N-(3,4-difluorobenzyl)-2-[[[(5-methylpyridin-3-yl)amino]sulfonyl]benzamide; N-[2-(2-methylphenyl)ethyl]-2-[[[(5-methylpyridin-3-yl)amino]sulfonyl]benzamide; N-(3,4-dichlorobenzyl)-2-[[[(5-methylpyridin-3-yl)amino]sulfonyl]benzamide; N-[4-fluoro-3-(trifluoromethyl)benzyl]-2-[[[(5-methylpyridin-3-

35 yl)amino]sulfonyl]benzamide; N-(3,4-difluorobenzyl)-N-methyl-2-[[[(5-methylpyridin-3-yl)amino]sulfonyl]benzamide; N-[2-(2-chlorophenyl)ethyl]-2-[[[(5-methylpyridin-3-yl)amino]sulfonyl]benzamide; 2-[[[(5-methylpyridin-3-yl)amino]sulfonyl]-N-{2-[2-(trifluoromethoxy)phenyl]ethyl}benzamide; N-(3-chloro-4-fluorobenzyl)-2-[[[(5-methylpyridin-3-yl)amino]sulfonyl]benzamide; N-(3-fluoro-4-methylbenzyl)-2-[[[(5-methylpyridin-3-

40 yl)amino]sulfonyl]benzamide; N-(3,5-dichlorobenzyl)-2-[[[(5-methylpyridin-3-yl)amino]sulfonyl]benzamide; N-methyl-N-[2-(2-methylphenyl)ethyl]-2-[[[(5-methylpyridin-3-

yl)amino]sulfonyl}benzamide; N-methyl-2-[(5-methylpyridin-3-yl)amino]sulfonyl}-N-[4-(trifluoromethyl)benzyl]benzamide; and N-(1-isopropyl-2-methylpropyl)-2-[(5-methylpyridin-3-yl)amino]sulfonyl}benzamide; or a pharmaceutically acceptable salt or solvate thereof.

In another embodiment is provided a compound selected from N-methyl-N-(2-phenylethyl)-2-[(pyridin-3-ylamino)sulfonyl]benzamide; N-[2-(3-methoxyphenyl)ethyl]-2-[(pyridin-3-ylamino)sulfonyl]benzamide; N-(2-phenylethyl)-2-[(pyridin-3-ylamino)sulfonyl]benzamide; N-[2-(3-methylphenyl)ethyl]-2-[(pyridin-3-ylamino)sulfonyl]benzamide; N-[2-(2-methylphenyl)ethyl]-2-[(pyridin-3-ylamino)sulfonyl]benzamide; 2-[(5-methoxypyridin-3-yl)amino]sulfonyl}-N-[2-(2-methylphenyl)ethyl]benzamide; 2-[(5-methoxypyridin-3-yl)amino]sulfonyl}-N-methyl-N-(2-phenylethyl)benzamide; N-methyl-2-[(5-methylpyridin-3-yl)amino]sulfonyl}-N-(2-phenylethyl)benzamide; N-[2-(2-methylphenyl)ethyl]-2-[(methyl(pyridin-3-yl)amino)sulfonyl]benzamide; N-[2-(2-methylphenyl)ethyl]-2-[(5-methylpyridin-3-yl)amino]sulfonyl}benzamide; 2-[(5-ethoxypyridin-3-yl)amino]sulfonyl}-N-[2-(2-methylphenyl)ethyl]benzamide; 2-[(4-methoxypyridin-3-yl)amino]sulfonyl}-N-[2-(2-methylphenyl)ethyl]benzamide; 2-[(4-ethoxypyridin-3-yl)amino]sulfonyl}-N-[2-(2-methylphenyl)ethyl]benzamide; N-[2-(2-methoxyphenyl)ethyl]-2-[(5-methoxypyridin-3-yl)amino]sulfonyl}benzamide; N-[2-(2-fluorophenyl)ethyl]-2-[(5-methoxypyridin-3-yl)amino]sulfonyl}benzamide; N-[2-(2-chlorophenyl)ethyl]-2-[(5-methoxypyridin-3-yl)amino]sulfonyl}benzamide; N-[2-(2-fluorophenyl)ethyl]-2-[(5-methylpyridin-3-yl)amino]sulfonyl}benzamide; N-[2-(2-chlorophenyl)ethyl]-2-[(5-methylpyridin-3-yl)amino]sulfonyl}benzamide; 2-[(5-methylpyridin-3-yl)amino]sulfonyl}-N-[2-(2-(trifluoromethoxy)phenyl)ethyl]benzamide; N-[2-(2-fluorophenyl)ethyl]-2-[(4-methoxypyridin-3-yl)amino]sulfonyl}benzamide; 2-[(4-methoxypyridin-3-yl)amino]sulfonyl}-N-[2-(2-(trifluoromethoxy)phenyl)ethyl]benzamide; N-[2-(2-chlorophenyl)ethyl]-2-[(4-methoxypyridin-3-yl)amino]sulfonyl}benzamide; N-[1-(4-chlorobenzyl)-2-hydroxyethyl]-2-[(5-methoxypyridin-3-yl)amino]sulfonyl}benzamide; N-[2-(2,5-difluorophenyl)ethyl]-2-[(5-methoxypyridin-3-yl)amino]sulfonyl}benzamide; N-[2-(2,4-difluorophenyl)ethyl]-2-[(5-methoxypyridin-3-yl)amino]sulfonyl}benzamide; N-[2-(2-methylphenyl)ethyl]-2-[(4-methylpyridin-3-yl)amino]sulfonyl}benzamide; N-methyl-N-[2-(2-methylphenyl)ethyl]-2-[(5-methylpyridin-3-yl)amino]sulfonyl}benzamide; N-[2-(3-chlorophenyl)ethyl]-2-[(5-methoxypyridin-3-yl)amino]sulfonyl}benzamide; N-[2-(3,4-difluorophenyl)ethyl]-2-[(5-methoxypyridin-3-yl)amino]sulfonyl}benzamide; N-[2-(2,3-difluoro-4-methylphenyl)ethyl]-2-[(5-methoxypyridin-3-yl)amino]sulfonyl}benzamide; N-[2-(3,4-difluorophenyl)-1-methylethyl]-2-[(5-methoxypyridin-3-yl)amino]sulfonyl}benzamide; and N-[2-(3-fluoro-4-(trifluoromethyl)phenyl)ethyl]-2-[(5-methoxypyridin-3-yl)amino]sulfonyl}benzamide; or a pharmaceutically acceptable salt or solvate thereof.

Another embodiment provides a compound selected from N-(3,4-difluorobenzyl)-2-[(5-methoxypyridin-3-yl)amino]sulfonyl}benzamide; N-[2-(2-methylphenyl)ethyl]-2-[(5-methylpyridin-3-yl)amino]sulfonyl}benzamide; N-(3,4-dichlorobenzyl)-2-[(5-methylpyridin-3-yl)amino]sulfonyl}benzamide; N-[4-fluoro-3-(trifluoromethyl)benzyl]-2-[(5-methylpyridin-3-yl)amino]sulfonyl}benzamide; N-[4-fluoro-3-(trifluoromethyl)benzyl]-2-[(5-methoxypyridin-3-

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yl)amino]sulfonyl}benzamide; 2-[[[5-ethoxypyridin-3-yl)amino]sulfonyl]-N-[2-(2-methylphenyl)ethyl]benzamide; N-(3,4-dichlorobenzyl)-2-[[[5-ethoxypyridin-3-yl)amino]sulfonyl}benzamide; N-(3,4-difluorobenzyl)-2-[[[5-ethoxypyridin-3-yl)amino]sulfonyl]-N-methylbenzamide; 2-[[[4-ethoxypyridin-3-yl)amino]sulfonyl]-N-[4-fluoro-3-(trifluoromethyl)benzyl]benzamide; 2-[[[5-ethoxypyridin-3-yl)amino]sulfonyl]-N-[4-fluoro-3-(trifluoromethyl)benzyl]benzamide; N-(3,4-difluorobenzyl)-2-[[[4-ethoxypyridin-3-yl)amino]sulfonyl]-N-methylbenzamide; N-(4-chloro-2-methylbenzyl)-2-[[[5-methoxypyridin-3-yl)amino]sulfonyl}benzamide; N-(3-chloro-2-methylbenzyl)-2-[[[5-methoxypyridin-3-yl)amino]sulfonyl}benzamide; and N-(3,5-dichlorobenzyl)-2-[[[5-methylpyridin-3-yl)amino]sulfonyl}benzamide; N-(3,4-difluorobenzyl)-2-[[[4-methoxypyridin-3-yl)amino]sulfonyl]-N-methylbenzamide; or a pharmaceutically acceptable salt or solvate thereof.

In another embodiment is provided a compound selected from N-(3,4-difluorobenzyl)-2-[[[4-methoxypyridin-3-yl)amino]sulfonyl]-N-methylbenzamide; N-(3,4-difluorobenzyl)-2-[[[4-methoxypyridin-3-yl)amino]sulfonyl}benzamide; N-[2-(2-fluorophenyl)ethyl]-2-[[[5-methoxypyridin-3-yl)amino]sulfonyl}benzamide; N-[4-fluoro-3-(trifluoromethyl)benzyl]-2-[[[4-methoxypyridin-3-yl)amino]sulfonyl}benzamide; N-(3,4-difluorobenzyl)-2-[[[4-ethoxypyridin-3-yl)amino]sulfonyl}benzamide; and N-(3,4-difluorobenzyl)-2-[[[4-ethoxypyridin-3-yl)amino]sulfonyl]-N-methylbenzamide; or a pharmaceutically acceptable salt or solvate thereof.

In another embodiment is provided N-(3,4-difluorobenzyl)-2-[[[4-methoxypyridin-3-yl)amino]sulfonyl]-N-methylbenzamide, or a pharmaceutically acceptable salt or solvate thereof. Another embodiment provides N-(3,4-difluorobenzyl)-2-[[[4-methoxypyridin-3-yl)amino]sulfonyl}benzamide, or a pharmaceutically acceptable salt or solvate thereof. Another embodiment provides N-[2-(2-fluorophenyl)ethyl]-2-[[[5-methoxypyridin-3-yl)amino]sulfonyl}benzamide, or a pharmaceutically acceptable salt or solvate thereof. Another embodiment provides N-[4-fluoro-3-(trifluoromethyl)benzyl]-2-[[[4-methoxypyridin-3-yl)amino]sulfonyl}benzamide, or a pharmaceutically acceptable salt or solvate thereof. Another embodiment provides N-(3,4-difluorobenzyl)-2-[[[4-ethoxypyridin-3-yl)amino]sulfonyl}benzamide, or a pharmaceutically acceptable salt or solvate thereof. Another embodiment provides N-(3,4-difluorobenzyl)-2-[[[4-ethoxypyridin-3-yl)amino]sulfonyl]-N-methylbenzamide, or a pharmaceutically acceptable salt or solvate thereof.

In other embodiments are provided pharmaceutical compositions, comprising an effective amount of at least one compound of formula (I), and a pharmaceutically acceptable carrier. In other embodiments are provided pharmaceutical compositions, further comprising an effective amount of at least one compound that is metabolized by cytochrome P4503A4 enzyme. In other embodiments are provided pharmaceutical compositions, wherein said at least one compound that is metabolized by cytochrome P4503A4 enzyme is an anti-HIV compound.

Further provided herein are pharmaceutical compositions, comprising an effective amount of at least one compound that is metabolized by cytochrome P450 enzyme and an effective amount of any of the compounds of formula (I). In other embodiments are provided pharmaceutical compositions, wherein said at least one anti-HIV compound is an HIV protease inhibitor. In other embodiments are provided such pharmaceutical compositions, wherein said

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HIV protease inhibitor is selected from amprenavir, CGP-73547, CGP-61755, DMP-450, nelfinavir, ritonavir, saquinavir, invirase, lopinavir, TMC-126, atazanavir, palinavir, GS-3333, KN I-413, KNI-272, LG-71350, CGP-61755, PD 173606, PD 177298, PD 178390, PD 178392, U-140690, ABT-378, DMP-450, AG-1776, MK-944, VX-478, indinavir, tipranavir, darunavir, brecanavir, DPC-681, DPC-684, (4R)-N-allyl-3-[(2S,3S)-2-hydroxy-3-[(3-hydroxy-2-methylbenzoyl)amino]-4-phenylbutanoyl]-5,5-dimethyl-1,3-thiazolidine-4-carboxamide, and fosamprenavir calcium. In other embodiments are provided such pharmaceutical compositions, wherein said HIV protease inhibitor is selected from amprenavir, nelfinavir, ritonavir, saquinavir, invirase, lopinavir, atazanavir, palinavir, indinavir, tipranavir, darunavir, brecanavir, brecanavir, (4R)-N-allyl-3-[(2S,3S)-2-hydroxy-3-[(3-hydroxy-2-methylbenzoyl)amino]-4-phenylbutanoyl]-5,5-dimethyl-1,3-thiazolidine-4-carboxamide, and fosamprenavir calcium. A further embodiment provides such pharmaceutical compositions, wherein said at least one additional compound is (4R)-N-allyl-3-[(2S,3S)-2-hydroxy-3-[(3-hydroxy-2-methylbenzoyl)amino]-4-phenylbutanoyl]-5,5-dimethyl-1,3-thiazolidine-4-carboxamide.

Another embodiment provides pharmaceutical compositions, comprising an effective amount of (N-[(1S)-3-[3-isopropyl-5-methyl-4H-1,2,4-triazole-4-yl]-exo-8-azabicyclo[3.2.1]oct-8-yl]-1-phenylpropyl)-4,4-difluorocyclohexanecarboxamide), ethyl 1-endo-[8-[(3S)-3-(acetylamino)-3-(3-fluorophenyl)propyl]-8-azabicyclo[3.2.1]oct-3-yl]-2-methyl-4,5,6,7-tetrahydro-1H-imidazo[4,5-c]pyridine-5-carboxylate, or N-[(1S)-3-[3-endo-(5-isobutyryl-2-methyl-4,5,6,7-tetrahydro-1H-imidazo[4,5-c]pyridin-1-yl)-8-azabicyclo[3.2.1]oct-8-yl]-1-(3-fluorophenyl)propyl]acetamide), at least one compound of formula (I), and a pharmaceutically acceptable carrier. Further provided herein are such pharmaceutical compositions, comprising an effective amount of (N-[(1S)-3-[3-isopropyl-5-methyl-4H-1,2,4-triazole-4-yl]-exo-8-azabicyclo[3.2.1]oct-8-yl]-1-phenylpropyl)-4,4-difluorocyclohexanecarboxamide), at least compound of formula (I), and a pharmaceutically acceptable carrier.

Another embodiment affords pharmaceutical compositions, comprising at least one compound of formula (I), and an anti-HIV compound as a combined preparation for simultaneous, separate, or sequential administration to an HIV-infected mammal for the treatment of HIV in said mammal.

In other embodiments are provided methods of inhibiting the metabolism of a first compound that is metabolized by cytochrome P4503A4 enzyme, comprising administering said first compound and an effective amount of a second compound to said mammal, wherein said second compound is selected from those of formula (I). Further provided herein are such methods, wherein said first compound is 6-cyclopentyl-6-[2-(2,6-diethylpyridin-4-yl)ethyl]-3-[(5,7-dimethyl[1,2,4]triazolo[1,5-a]pyrimidin-2-yl)methyl]-4-hydroxy-5,6-dihydro-2H-pyran-2-one, or a pharmaceutically acceptable salt thereof. In another embodiment are provided such methods wherein said first compound is (N-[(1S)-3-[3-isopropyl-5-methyl-4H-1,2,4-triazole-4-yl]-exo-8-azabicyclo[3.2.1]oct-8-yl]-1-phenylpropyl)-4,4-difluorocyclohexanecarboxamide), ethyl 1-endo-[8-[(3S)-3-(acetylamino)-3-(3-fluorophenyl)propyl]-8-azabicyclo[3.2.1]oct-3-yl]-2-methyl-4,5,6,7-tetrahydro-1H-imidazo[4,5-c]pyridine-5-carboxylate, or N-[(1S)-3-[3-endo-(5-isobutyryl-2-methyl-4,5,6,7-tetrahydro-1H-imidazo[4,5-c]pyridin-1-yl)-8-azabicyclo[3.2.1]oct-8-yl]-1-(3-

fluorophenyl)propyl}acetamide). Further provided herein are such methods, wherein said first compound is (N-((1S)-3-[3-isopropyl-5-methyl-4H-1,2,4-triazole-4-yl]-exo-8-azabicyclo[3.2.1]oct-8-yl)-1-phenylpropyl)-4,4-difluorocyclohexanecarboxamide). In other embodiments are provided such methods, wherein said first compound is an anti-HIV compound. In other embodiments are provided such methods, wherein said anti-HIV compound is an HIV protease inhibitor. In other embodiments are provided such methods, wherein said HIV protease inhibitor is selected from amprenavir, CGP-73547, CGP-61755, DMP-450, nelfinavir, ritonavir, saquinavir, invirase, lopinavir, TMC-126, atazanavir, palinavir, GS-3333, KN I-413, KNI-272, LG-71350, CGP-61755, PD 173606, PD 177298, PD 178390, PD 178392, U-140690, ABT-378, DMP-450, AG-1776, MK-944, VX-478, indinavir, tipranavir, darunavir, brexanavir, DPC-681, DPC-684, (4R)-N-allyl-3-((2S,3S)-2-hydroxy-3-[(3-hydroxy-2-methylbenzoyl)amino]-4-phenylbutanoyl)-5,5-dimethyl-1,3-thiazolidine-4-carboxamide, and fosamprenavir calcium. In other embodiments are provided such methods, wherein said HIV protease inhibitor is selected from amprenavir, nelfinavir, ritonavir, saquinavir, invirase, lopinavir, atazanavir, palinavir, indinavir, tipranavir, darunavir, brexanavir, (4R)-N-allyl-3-((2S,3S)-2-hydroxy-3-[(3-hydroxy-2-methylbenzoyl)amino]-4-phenylbutanoyl)-5,5-dimethyl-1,3-thiazolidine-4-carboxamide and fosamprenavir calcium. In another embodiment are provided such methods wherein said first compound is (N-((1S)-3-[3-isopropyl-5-methyl-4H-1,2,4-triazole-4-yl]-exo-8-azabicyclo[3.2.1]oct-8-yl)-1-phenylpropyl)-4,4-difluorocyclohexanecarboxamide).

In other embodiments are provided methods of improving the pharmacokinetics in a mammal of a first compound, comprising administering said first compound and an effective amount of a second compound to said mammal, wherein said second compound is selected from those of formula (I). Another embodiment provides such methods, wherein said first compound is 6-cyclopentyl-6-[2-(2,6-diethylpyridin-4-yl)ethyl]-3-[(5,7-dimethyl[1,2,4]triazolo[1,5-a]pyrimidin-2-yl)methyl]-4-hydroxy-5,6-dihydro-2H-pyran-2-one, or a pharmaceutically acceptable salt thereof. Further provided herein are such methods, wherein said first compound is (N-((1S)-3-[3-isopropyl-5-methyl-4H-1,2,4-triazole-4-yl]-exo-8-azabicyclo[3.2.1]oct-8-yl)-1-phenylpropyl)-4,4-difluorocyclohexanecarboxamide), ethyl 1-endo-[8-[(3S)-3-(acetlamino)-3-(3-fluorophenyl)propyl]-8-azabicyclo[3.2.1]oct-3-yl]-2-methyl-4,5,6,7-tetrahydro-1H-imidazo[4,5-c]pyridine-5-carboxylate, or N-((1S)-3-[3-endo-(5-isobutyryl-2-methyl-4,5,6,7-tetrahydro-1H-imidazo[4,5-c]pyridin-1-yl)-8-azabicyclo[3.2.1]oct-8-yl]-1-(3-fluorophenyl)propyl}acetamide). A further embodiment provides such methods, wherein said first compound is (N-((1S)-3-[3-isopropyl-5-methyl-4H-1,2,4-triazole-4-yl]-exo-8-azabicyclo[3.2.1]oct-8-yl)-1-phenylpropyl)-4,4-difluorocyclohexanecarboxamide). In other embodiments are provided such methods, wherein said first compound is an anti-HIV compound. In other embodiments are provided such methods, wherein said anti-HIV compound is an HIV protease inhibitor. In other embodiments are provided such methods, wherein said HIV protease inhibitor is selected from amprenavir, CGP-73547, CGP-61755, DMP-450, nelfinavir, ritonavir, saquinavir, invirase, lopinavir, TMC-126, atazanavir, palinavir, GS-3333, KN I-413, KNI-272, LG-71350, CGP-61755, PD 173606, PD 177298, PD 178390, PD 178392, U-140690, ABT-378, DMP-450, AG-1776, MK-944, VX-478, indinavir, tipranavir, darunavir, brexanavir, DPC-681, DPC-684, (4R)-N-allyl-3-((2S,3S)-2-

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hydroxy-3-[(3-hydroxy-2-methylbenzoyl)amino]-4-phenylbutanoyl]-5,5-dimethyl-1,3-thiazolidine-4-carboxamide, and fosamprenavir calcium. In other embodiments are provided such methods, wherein said HIV protease inhibitor is selected from amprenavir, nelfinavir, ritonavir, saquinavir, invirase, lopinavir, atazanavir, palinavir, indinavir, tipranavir, darunavir, brecanavir, (4R)-N-allyl-3-
 5 {(2S,3S)-2-hydroxy-3-[(3-hydroxy-2-methylbenzoyl)amino]-4-phenylbutanoyl]-5,5-dimethyl-1,3-thiazolidine-4-carboxamide and fosamprenavir calcium. In still another embodiment are provided such methods, wherein said HIV protease inhibitor is (4R)-N-allyl-3-[(2S,3S)-2-hydroxy-3-[(3-hydroxy-2-methylbenzoyl)amino]-4-phenylbutanoyl]-5,5-dimethyl-1,3-thiazolidine-4-carboxamide.

Another embodiment provides methods of inhibiting HIV replication in an HIV-infected
 10 mammal, comprising administering to said mammal an effective amount of a first compound and an effective amount of a second compound, wherein said first compound is an HIV replication-inhibiting compound and said second compound is selected from those of formula (I). Still another embodiment provides such methods, wherein said first compound is (N-[(1S)-3-[3-isopropyl-5-methyl-4H-1,2,4-triazole-4-yl]-exo-8-azabicyclo[3.2.1]oct-8-yl]-1-phenylpropyl)-4,4-
 15 difluorocyclohexanecarboxamide), ethyl 1-endo-[8-[(3S)-3-(acetylamino)-3-(3-fluorophenyl)propyl]-8-azabicyclo[3.2.1]oct-3-yl]-2-methyl-4,5,6,7-tetrahydro-1H-imidazo[4,5-c]pyridine-5-carboxylate, or N-[(1S)-3-[3-endo-(5-isobutyryl-2-methyl-4,5,6,7-tetrahydro-1H-imidazo[4,5-c]pyridin-1-yl)-8-azabicyclo[3.2.1]oct-8-yl]-1-(3-fluorophenyl)propyl]acetamide). Yet another embodiment provides such methods, wherein said first compound is (N-[(1S)-3-[3-isopropyl-5-methyl-4H-1,2,4-triazole-4-yl]-exo-8-azabicyclo[3.2.1]oct-8-yl]-1-phenylpropyl)-4,4-
 20 difluorocyclohexanecarboxamide). Still another embodiment affords such methods, wherein said anti-HIV compound is an HIV protease inhibitor. A further embodiment provides such methods, wherein said HIV protease inhibitor is selected from amprenavir, CGP-73547, CGP-61755, DMP-450, nelfinavir, ritonavir, saquinavir, invirase, lopinavir, TMC-126, atazanavir, palinavir, GS-3333,
 25 KN I-413, KNI-272, LG-71350, CGP-61755, PD 173606, PD 177298, PD 178390, PD 178392, U-140690, ABT-378, DMP-450, AG-1776, MK-944, VX-478, indinavir, tipranavir, darunavir, brecanavir, DPC-681, DPC-684, (4R)-N-allyl-3-[(2S,3S)-2-hydroxy-3-[(3-hydroxy-2-methylbenzoyl)amino]-4-phenylbutanoyl]-5,5-dimethyl-1,3-thiazolidine-4-carboxamide, and fosamprenavir calcium. Still another embodiment provides such methods, wherein said HIV
 30 protease inhibitor is selected from amprenavir, nelfinavir, ritonavir, saquinavir, invirase, lopinavir, atazanavir, palinavir, indinavir, tipranavir, darunavir, brecanavir, (4R)-N-allyl-3-[(2S,3S)-2-hydroxy-3-[(3-hydroxy-2-methylbenzoyl)amino]-4-phenylbutanoyl]-5,5-dimethyl-1,3-thiazolidine-4-carboxamide, and fosamprenavir calcium. A further embodiment provides such methods, wherein said first compound is (4R)-N-allyl-3-[(2S,3S)-2-hydroxy-3-[(3-hydroxy-2-
 35 methylbenzoyl)amino]-4-phenylbutanoyl]-5,5-dimethyl-1,3-thiazolidine-4-carboxamide.

Also provided herein are uses of a first compound and a second compound in the preparation of a medicament for the treatment of HIV infection in an HIV-infected mammal, wherein said first compound is selected from those of formula (I), and said second compound is an anti-HIV compound. Further provided herein are such uses, wherein said second compound
 40 is (N-[(1S)-3-[3-isopropyl-5-methyl-4H-1,2,4-triazole-4-yl]-exo-8-azabicyclo[3.2.1]oct-8-yl]-1-phenylpropyl)-4,4-difluorocyclohexanecarboxamide), ethyl 1-endo-[8-[(3S)-3-(acetylamino)-3-(3-

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fluorophenyl)propyl]-8-azabicyclo[3.2.1]oct-3-yl]-2-methyl-4,5,6,7-tetrahydro-1*H*-imidazo[4,5-
 c]pyridine-5-carboxylate, or *N*-{(1*S*)-3-[3-*endo*-(5-Isobutyryl-2-methyl-4,5,6,7-tetrahydro-1*H*-
 imidazo[4,5-*c*]pyridin-1-yl)-8-azabicyclo[3.2.1]oct-8-yl]-1-(3-fluorophenyl)propyl}acetamide). A
 further embodiment affords such methods, wherein said second compound is (N-{(1*S*)-3-[3-
 5 isopropyl-5-methyl-4*H*-1,2,4-triazole-4-yl]-exo-8-azabicyclo[3.2.1]oct-8-yl]-1-phenylpropyl)-4,4-
 difluorocyclohexanecarboxamide). Yet another embodiment provides such uses, wherein said
 second compound is an HIV protease inhibitor. A further embodiment affords such uses,
 wherein said second compound is selected from amprenavir, CGP-73547, CGP-61755, DMP-
 450, nelfinavir, ritonavir, saquinavir, invirase, lopinavir, TMC-126, atazanavir, palinavir, GS-3333,
 10 KN I-413, KNI-272, LG-71350, CGP-61755, PD 173606, PD 177298, PD 178390, PD 178392, U-
 140690, ABT-378, DMP-450, AG-1776, MK-944, VX-478, indinavir, tipranavir, darunavir,
 brecanavir, DPC-681, DPC-684, (4*R*)-*N*-allyl-3-[(2*S*,3*S*)-2-hydroxy-3-[(3-hydroxy-2-
 methylbenzoyl)amino]-4-phenylbutanoyl]-5,5-dimethyl-1,3-thiazolidine-4-carboxamide, and
 fosamprenavir calcium. Another embodiment provides such uses, wherein said second
 15 compound is selected from amprenavir, nelfinavir, ritonavir, saquinavir, invirase, lopinavir,
 atazanavir, palinavir, indinavir, tipranavir, darunavir, brecanavir, (4*R*)-*N*-allyl-3-[(2*S*,3*S*)-2-
 hydroxy-3-[(3-hydroxy-2-methylbenzoyl)amino]-4-phenylbutanoyl]-5,5-dimethyl-1,3-thiazolidine-
 4-carboxamide, and fosamprenavir calcium. A further embodiment provides such uses, wherein
 said second compound is (4*R*)-*N*-allyl-3-[(2*S*,3*S*)-2-hydroxy-3-[(3-hydroxy-2-
 20 methylbenzoyl)amino]-4-phenylbutanoyl]-5,5-dimethyl-1,3-thiazolidine-4-carboxamide. Further
 embodiments provide such uses, wherein said medicament is for simultaneous, separate, or
 sequential administration to said mammal for the treatment of HIV.

Use of a first compound and a second compound in the preparation of a medicament for
 improving the pharmacokinetics of said second compound in a mammal, wherein said first
 25 compound is selected from those of formula (I), and said second compound is metabolized by
 cytochrome P450. Further provided are such uses, wherein said second compound is (N-{(1*S*)-
 3-[3-isopropyl-5-methyl-4*H*-1,2,4-triazole-4-yl]-exo-8-azabicyclo[3.2.1]oct-8-yl]-1-phenylpropyl)-
 4,4-difluorocyclohexanecarboxamide), ethyl 1-*endo*-{8-[(3*S*)-3-(acetylamino)-3-(3-
 fluorophenyl)propyl]-8-azabicyclo[3.2.1]oct-3-yl]-2-methyl-4,5,6,7-tetrahydro-1*H*-imidazo[4,5-
 30 c]pyridine-5-carboxylate, or *N*-{(1*S*)-3-[3-*endo*-(5-Isobutyryl-2-methyl-4,5,6,7-tetrahydro-1*H*-
 imidazo[4,5-*c*]pyridin-1-yl)-8-azabicyclo[3.2.1]oct-8-yl]-1-(3-fluorophenyl)propyl}acetamide). Also
 provided are such uses, wherein said second compound is (N-{(1*S*)-3-[3-isopropyl-5-methyl-4*H*-
 1,2,4-triazole-4-yl]-exo-8-azabicyclo[3.2.1]oct-8-yl]-1-phenylpropyl)-4,4-
 difluorocyclohexanecarboxamide). Further provided are such uses, wherein said second
 35 compound is an HIV protease inhibitor. Another embodiment affords such uses, wherein said
 second compound is selected from amprenavir, CGP-73547, CGP-61755, DMP-450, nelfinavir,
 ritonavir, saquinavir, invirase, lopinavir, TMC-126, atazanavir, palinavir, GS-3333, KN I-413, KNI-
 272, LG-71350, CGP-61755, PD 173606, PD 177298, PD 178390, PD 178392, U-140690, ABT-
 378, DMP-450, AG-1776, MK-944, VX-478, indinavir, tipranavir, darunavir, brecanavir, DPC-681,
 40 DPC-684, (4*R*)-*N*-allyl-3-[(2*S*,3*S*)-2-hydroxy-3-[(3-hydroxy-2-methylbenzoyl)amino]-4-
 phenylbutanoyl]-5,5-dimethyl-1,3-thiazolidine-4-carboxamide, and fosamprenavir calcium. Also

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included herein are such uses, wherein said second compound is selected from amprenavir, nelfinavir, ritonavir, saquinavir, invirase, lopinavir, atazanavir, palinavir, indinavir, tipranavir, darunavir, brecanavir, (4R)-N-allyl-3-[(2S,3S)-2-hydroxy-3-[(3-hydroxy-2-methylbenzoyl)amino]-4-phenylbutanoyl]-5,5-dimethyl-1,3-thiazolidine-4-carboxamide, and fosamprenavir calcium.

5 Another embodiment provides such uses, wherein said second compound is (4R)-N-allyl-3-[(2S,3S)-2-hydroxy-3-[(3-hydroxy-2-methylbenzoyl)amino]-4-phenylbutanoyl]-5,5-dimethyl-1,3-thiazolidine-4-carboxamide.

Also included herein are the use of a first compound in the preparation of a medicament for improving the pharmacokinetics in a mammal of a second compound, wherein said first
10 compound is selected from those according of formula (I), and said second compound is metabolized by cytochrome P450. Further provided are such uses, wherein said second compound is (N-[(1S)-3-[3-isopropyl-5-methyl-4H-1,2,4-triazole-4-yl]-exo-8-azabicyclo[3.2.1]oct-8-yl]-1-phenylpropyl)-4,4-difluorocyclohexanecarboxamide), ethyl 1-endo-[8-[(3S)-3-(acetylamino)-3-(3-fluorophenyl)propyl]-8-azabicyclo[3.2.1]oct-3-yl]-2-methyl-4,5,6,7-tetrahydro-
15 1H-imidazo[4,5-c]pyridine-5-carboxylate, or N-[(1S)-3-[3-endo-(5-isobutyryl-2-methyl-4,5,6,7-tetrahydro-1H-imidazo[4,5-c]pyridin-1-yl)-8-azabicyclo[3.2.1]oct-8-yl]-1-(3-fluorophenyl)propyl]acetamide). Also provided are such uses, wherein said second compound is (N-[(1S)-3-[3-isopropyl-5-methyl-4H-1,2,4-triazole-4-yl]-exo-8-azabicyclo[3.2.1]oct-8-yl]-1-phenylpropyl)-4,4-difluorocyclohexanecarboxamide). Further provided are such uses, wherein
20 said second compound is an HIV protease inhibitor. Another embodiment affords such uses, wherein said second compound is selected from amprenavir, CGP-73547, CGP-61755, DMP-450, nelfinavir, ritonavir, saquinavir, invirase, lopinavir, TMC-126, atazanavir, palinavir, GS-3333, KN I-413, KNI-272, LG-71350, CGP-61755, PD 173606, PD 177298, PD 178390, PD 178392, U-140690, ABT-378, DMP-450, AG-1776, MK-944, VX-478, indinavir, tipranavir, darunavir, brecanavir, DPC-681, DPC-684, (4R)-N-allyl-3-[(2S,3S)-2-hydroxy-3-[(3-hydroxy-2-methylbenzoyl)amino]-4-phenylbutanoyl]-5,5-dimethyl-1,3-thiazolidine-4-carboxamide, and
25 fosamprenavir calcium. Also included herein are such uses, wherein said second compound is selected from amprenavir, nelfinavir, ritonavir, saquinavir, invirase, lopinavir, atazanavir, palinavir, indinavir, tipranavir, darunavir, brecanavir, (4R)-N-allyl-3-[(2S,3S)-2-hydroxy-3-[(3-hydroxy-2-methylbenzoyl)amino]-4-phenylbutanoyl]-5,5-dimethyl-1,3-thiazolidine-4-carboxamide, and fosamprenavir calcium. Another embodiment provides such uses, wherein said second
30 compound is (4R)-N-allyl-3-[(2S,3S)-2-hydroxy-3-[(3-hydroxy-2-methylbenzoyl)amino]-4-phenylbutanoyl]-5,5-dimethyl-1,3-thiazolidine-4-carboxamide.

In other embodiments are provided any of the methods described herein, wherein the
35 administration of said first and second compounds occurs sequentially.

In other embodiments are provided any of the methods described herein, wherein the administration of said first and second compounds occurs at the same time.

In other embodiments are provided methods of treating HIV in an HIV-infected mammal, comprising administering to said mammal an effective amount of an anti-HIV compound and an
40 effective amount of a compound according to formula (I). In other embodiments are provided such methods, where said anti-HIV compound is an HIV protease inhibitor. In other

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embodiments are provided such methods, wherein said HIV protease inhibitor is selected from amprenavir, CGP-73547, CGP-61755, DMP-450, nelfinavir, ritonavir, saquinavir, invirase, lopinavir, TMC-126, atazanavir, palinavir, GS-3333, KN I-413, KNI-272, LG-71350, CGP-61755, PD 173606, PD 177298, PD 178390, PD 178392, U-140690, ABT-378, DMP-450, AG-1776, MK-944, VX-478, indinavir, tipranavir, darunavir, brecanavir, DPC-681, DPC-684, (4R)-N-allyl-3-
 5 {(2S,3S)-2-hydroxy-3-[(3-hydroxy-2-methylbenzoyl)amino]-4-phenylbutanoyl}-5,5-dimethyl-1,3-thiazolidine-4-carboxamide, and fosamprenavir calcium. In other embodiments are provided such methods, wherein said HIV protease inhibitor is selected from amprenavir, nelfinavir, ritonavir, saquinavir, invirase, lopinavir, atazanavir, palinavir, indinavir, tipranavir, darunavir, brecanavir,
 10 (4R)-N-allyl-3-[(2S,3S)-2-hydroxy-3-[(3-hydroxy-2-methylbenzoyl)amino]-4-phenylbutanoyl]-5,5-dimethyl-1,3-thiazolidine-4-carboxamide, and fosamprenavir calcium. In other embodiments are provided such methods wherein the HIV protease inhibitor is (4R)-N-allyl-3-[(2S,3S)-2-hydroxy-3-[(3-hydroxy-2-methylbenzoyl)amino]-4-phenylbutanoyl]-5,5-dimethyl-1,3-thiazolidine-4-carboxamide. In other embodiments are provided such methods wherein the the
 15 anti-HIV compound is (N-[(1S)-3-[3-isopropyl-5-methyl-4H-1,2,4-triazole-4-yl]-exo-8-azabicyclo[3.2.1]oct-8-yl]-1-phenylpropyl)-4,4-difluorocyclohexanecarboxamide), ethyl 1-endo-[8-[(3S)-3-(acetylamino)-3-(3-fluorophenyl)propyl]-8-azabicyclo[3.2.1]oct-3-yl]-2-methyl-4,5,6,7-tetrahydro-1H-imidazo[4,5-c]pyridine-5-carboxylate, or N-[(1S)-3-[3-endo-(5-isobutyryl-2-methyl-4,5,6,7-tetrahydro-1H-imidazo[4,5-c]pyridin-1-yl)-8-azabicyclo[3.2.1]oct-8-yl]-1-(3-fluorophenyl)propyl]acetamide). In other embodiments are provided such methods wherein the
 20 anti-HIV compound is (N-[(1S)-3-[3-isopropyl-5-methyl-4H-1,2,4-triazole-4-yl]-exo-8-azabicyclo[3.2.1]oct-8-yl]-1-phenylpropyl)-4,4-difluorocyclohexanecarboxamide).

In other embodiments are provided such methods, wherein the first compound is 6-cyclopentyl-6-[2-(2,6-diethylpyridin-4-yl)ethyl]-3-[(5,7-dimethyl[1,2,4]triazolo[1,5-a]pyrimidin-2-yl)methyl]-4-hydroxy-5,6-dihydro-2H-pyran-2-one.
 25

As used herein, the terms "comprising" and "including" are used in their open, non-limiting sense.

As used herein, the term "HIV" means Human Immunodeficiency Virus. The term "HIV integrase," as used herein, means the Human Immunodeficiency Virus integrase enzyme.
 30

The term "C₁-C₆ alkyl," as used herein, means saturated monovalent hydrocarbon radicals having straight or branched moieties and containing from 1 to 6 carbon atoms. Examples of such groups include, but are not limited to, methyl, ethyl, propyl, iso-propyl, n-butyl, iso-butyl, and tert-butyl.

The term "C₃-C₁₁ cycloalkyl" means a saturated, monocyclic, fused, or spiro, polycyclic ring structure having a total of from 3 to 11 carbon ring atoms. Examples of such groups include, but are not limited to, cyclopropyl, cyclobutyl, cyclopentyl, cyclopentenyl, cyclohexyl, cycloheptyl, and adamantyl.
 35

The term "C₆-C₁₀ aryl", as used herein, means a group derived from an aromatic hydrocarbon containing from 6 to 10 carbon atoms. Examples of such groups include, but are
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not limited to, phenyl or naphthyl. The terms "Ph" and "phenyl," as used herein, mean a -C₆H₅ group. The term "benzyl," as used herein, means a -CH₂C₆H₅ group.

The term "C₂-C₁₀ heterocyclyl" as used herein, means a non-aromatic, monocyclic, bicyclic, tricyclic, or tetracyclic group having a total of from 4 to 10 atoms in its ring system, and containing
5 from 2 to 10 carbon atoms and from one to four heteroatoms each independently selected from O, S and N, and with the proviso that the ring of said group does not contain two adjacent O atoms or two adjacent S atoms. Furthermore, such C₂-C₁₀ heterocyclyl groups may comprise polycyclic, spiro ring systems. Also, such groups may be optionally benzofused. Additionally, such C₂-C₁₀ heterocyclyl groups may contain an oxo substituent at any available atom that will result in a stable
10 compound. For example, such a group may contain an oxo atom at an available carbon or nitrogen atom. Such a group may contain more than one oxo substituent if chemically feasible. In addition, it is to be understood that when such a C₂-C₁₀ heterocyclyl group contains a sulfur atom, said sulfur atom may be oxidized with one or two oxygen atoms to afford either a sulfoxide or sulfone. An example of a 4-membered heterocyclic group is azetidiny (derived from azetidine).
15 An example of a 5-membered heterocyclic group is thiazolyl and an example of a 10 membered heterocyclic group is quinoliny. Further examples of such C₂-C₁₀ heterocyclyl groups include, but are not limited to, pyrrolidinyl, tetrahydrofuranyl, dihydrofuranyl, tetrahydrothienyl, tetrahydropyranyl, dihydropyranyl, tetrahydrothiopyranyl, piperidino, morpholino, thiomorpholino, thioxanyl, piperazinyl, azetidiny, oxetanyl, thietanyl, homopiperidinyl, oxepanyl, thiepanyl,
20 oxazepiny, diazepiny, thiazepiny, 1,2,3,6-tetrahydropyridiny, 2-pyrroliny, 3-pyrroliny, indoliny, 2H-pyranyl, 4H-pyranyl, dioxanyl, 1,3-dioxolanyl, pyrazoliny, dithianyl, dithiolanyl, dihydropyranyl, dihydrothienyl, dihydrofuranyl, pyrazolidiny, imidazoliny, imidazolidiny, 3-azabicyclo[3.1.0]hexanyl, 3-azabicyclo[4.1.0]heptanyl, 3H-indoly and quinoliziny.

The term "heteroaryl," as used herein, means an aromatic heterocyclic group having a total
25 of from 5 to 10 atoms in its ring, and containing from 2 to 9 carbon atoms and from one to four heteroatoms each independently selected from O, S and N, and with the proviso that the ring of said group does not contain two adjacent O atoms or two adjacent S atoms. The heterocyclic groups include benzo-fused ring systems. Examples of aromatic heterocyclic groups are pyridiny, imidazolyl, pyrimidinyl, pyrazolyl, triazolyl, pyraziny, tetrazolyl, furyl, thienyl, isoxazolyl,
30 thiazolyl, oxazolyl, isothiazolyl, pyrroly, quinoliny, isoquinoliny, indoly, benzimidazolyl, benzofuranyl, cinnoliny, indazolyl, indoliziny, phthalaziny, pyridaziny, triaziny, isoindolyl, pteridinyl, puriny, oxadiazolyl, thiadiazolyl, furazanyl, benzofurazanyl, benzothiophenyl, benzothiazolyl, benzoxazolyl, quinazoliny, quinoxaliny, naphthyridiny, and furopyridiny. The heteroaryl groups may be C-attached or N-attached where such is possible. For instance, a group
35 derived from pyrrole may be pyrrol-1-yl (N-attached) or pyrrol-3-yl (C-attached). Further, a group derived from imidazole may be imidazol-1-yl (N-attached) or imidazol-3-yl (C-attached).

The terms "halogen" and "halo," as used herein, mean fluorine, chlorine, bromine or iodine.

The term "substituted," means that the specified group or moiety bears one or more
40 substituents. The term "unsubstituted," means that the specified group bears no substituents. The term "optionally substituted" means that the specified group is unsubstituted or substituted

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by one or more substituents. It is to be understood that in the compounds of the present invention when a group is said to be "unsubstituted," or is "substituted" with fewer groups than would fill the valencies of all the atoms in the compound, the remaining valencies on such a group are filled by hydrogen. For example, if a C₆ aryl group, also called "phenyl" herein, is substituted with one additional substituent, one of ordinary skill in the art would understand that such a group has 4 open positions left on carbon atoms of the C₆ aryl ring (6 initial positions, minus one to which the remainder of the compound of the present invention is bonded, minus an additional substituent, to leave 4). In such cases, the remaining 4 carbon atoms are each bound to one hydrogen atom to fill their valencies. Similarly, if a C₆ aryl group in the present compounds is said to be "disubstituted," one of ordinary skill in the art would understand it to mean that the C₆ aryl has 3 carbon atoms remaining that are unsubstituted. Those three unsubstituted carbon atoms are each bound to one hydrogen atom to fill their valencies.

The term "solvate," as used herein, means a pharmaceutically acceptable solvate form of a compound of the present invention that retains the biological effectiveness of such compound. Examples of solvates include, but are not limited to, compounds of the invention in combination with water, isopropanol, ethanol, methanol, dimethylsulfoxide (DMSO), ethyl acetate, acetic acid, ethanolamine, or mixtures thereof. It is specifically contemplated that in the present invention one solvent molecule can be associated with one molecule of the compounds of the present invention, such as a hydrate. Furthermore, it is specifically contemplated that in the present invention, more than one solvent molecule may be associated with one molecule of the compounds of the present invention, such as a dihydrate. Additionally, it is specifically contemplated that in the present invention less than one solvent molecule may be associated with one molecule of the compounds of the present invention, such as a hemihydrate. Furthermore, solvates of the present invention are contemplated as solvates of compounds of the present invention that retain the biological effectiveness of the non-hydrate form of the compounds.

The term "pharmaceutically acceptable salt," as used herein, means a salt of a compound of the present invention that retains the biological effectiveness of the free acids and bases of the specified derivative and that is not biologically or otherwise undesirable.

The terms "cytochrome P450-inhibiting amount" and "cytochrome P450 enzyme activity-inhibiting amount," as used herein, refer to an amount of a compound required to decrease the activity of cytochrome P450 enzymes or a particular cytochrome P450 enzyme isoform in the presence of such compound. Whether a particular compound decreases cytochrome P450 enzyme activity, and the amount of such a compound required to do so, can be determined by methods known to those of ordinary skill in the art and the methods described herein.

The terms "inhibiting" or "inhibition," as used herein, refer to decreasing the activity of a cytochrome P450 enzyme or enzymes using an agent that is capable of decreasing such activity either *in vitro* or *in vivo* after administration to a mammal, such as a human. Such inhibition may take place by the compound binding directly to the cytochrome P450 enzyme or enzymes. In addition, the activity of such cytochrome P450 enzymes may be decreased in the presence of

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such a compound when such direct binding between the enzyme and the compound does not take place. Furthermore, such inhibition may be competitive, non-competitive, or uncompetitive, as described in T.F. Woolf, Handbook of Drug Metabolism, Marcel Dekker, Inc., New York, 1999. Such inhibition may be determined using *in vitro* or *in vivo* systems, or a combination of both, using methods known to those of ordinary skill in the art.

As used herein, the term "bioavailability" refers to the systemic availability of a given amount of a chemical compound administered to a mammal. Bioavailability can be assessed by measuring the area under the curve (AUC) or the maximum serum or plasma concentration (C_{max}) of the unchanged form of a compound following administration of the compound to a mammal. AUC is a determination of the Area Under the Curve plotting the serum or plasma concentration of a compound along the ordinate (Y-axis) against time along the abscissa (X-axis). Generally, the AUC for a particular compound can be calculated using methods known to those of ordinary skill in the art and as described in G.S. Banker, Modern Pharmaceutics, Drugs and the Pharmaceutical Sciences, v. 72, Marcel Dekker, New York, Inc., 1996. The C_{max} value is defined as the maximum concentration of the compound achieved in the serum or plasma of a mammal following administration of the compound to the mammal. The C_{max} value of a particular compound can be measured using methods known to those of ordinary skill in the art. The phrases "increasing bioavailability" or "improving the pharmacokinetics," as used herein mean that the systemic availability of a first compound, measured as AUC, C_{max} , or C_{min} in a mammal is greater when co-administered with a compound of the present invention than when such co-administration does not take place.

The terms "administration", "administering", "dosage," and "dosing," as used herein refer to the delivery of a compound, or a pharmaceutically acceptable salt or solvate thereof, or of a pharmaceutical composition containing the compound, or a pharmaceutically acceptable salt or solvate thereof, to a mammal such that the compound is absorbed into the serum or plasma of the mammal.

The terms "co-administration" or "co-administering," as used herein, refer to the administration of a combination of a first compound and a compound of the present invention, or a pharmaceutically acceptable salt or solvate thereof. Such co-administration can be performed such that the first compound and the compound of the present invention are part of the same composition or part of the same unitary dosage form. Co-administration also includes administering a first compound and a compound of the present invention separately, but as part of the same therapeutic regimen. The two components, if administered separately, need not necessarily be administered at essentially the same time, although they can be if so desired. Thus co-administration includes, for example, administering a first compound and a compound of the present invention as separate dosages or dosage forms, but at the same time. Co-administration also includes separate administration at different times and in any order.

The terms "pharmaceutically acceptable formulation" or "pharmaceutical composition," as used herein, mean a combination of a compound of the invention, or a pharmaceutically acceptable salt or solvate thereof, and a carrier, diluent, and/or excipients that are compatible with a compound of the present invention, and is not deleterious to the recipient thereof.

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Pharmaceutical formulations can be prepared by procedures known to those of ordinary skill in the art. For example, the compounds of the present invention can be formulated with common excipients, diluents, or carriers, and formed into tablets, capsules, and the like. Examples of excipients, diluents, and carriers that are suitable for such formulations include the following:

5 fillers and extenders such as starch, sugars, mannitol, and silicic derivatives; binding agents such as carboxymethyl cellulose and other cellulose derivatives, alginates, gelatin, and polyvinyl pyrrolidone; moisturizing agents such as glycerol; disintegrating agents such as povidone, sodium starch glycolate, sodium carboxymethylcellulose, agar agar, calcium carbonate, and sodium bicarbonate; agents for retarding dissolution such as paraffin; resorption accelerators

10 such as quaternary ammonium compounds; surfactant agents such as cetyl alcohol, glycerol monostearate; adsorptive carriers such as kaolin and bentonite; and lubricants such as talc, calcium and magnesium stearate and solid polyethylene glycols. Final pharmaceutical forms may be pills, tablets, powders, lozenges, sachets, cachets, or sterile packaged powders, and the like, depending on the type of excipient used. Additionally, it is specifically contemplated that

15 pharmaceutically acceptable formulations of the present invention can contain more than one active ingredient. For example, such formulations may contain more than one compound according to the present invention. Alternatively, such formulations may contain one or more compounds of the present invention and one or more additional anti-HIV agents.

The term "inhibiting HIV replication" means inhibiting human immunodeficiency virus (HIV) replication in a cell. Such a cell may be present *in vitro*, or it may be present *in vivo*, such as in a mammal, such as a human. Such inhibition may be accomplished by administering one or more anti-HIV compounds to the cell, such as in a mammal, in an HIV-inhibiting amount. The quantification of inhibition of HIV replication in a cell, such as in a mammal, can be measured using methods known to those of ordinary skill in the art. For example, an anti-HIV compound

20 may be administered to a mammal, either alone or as part of a pharmaceutically acceptable formulation. Blood samples may then be withdrawn from the mammal and the amount of HIV virus in the sample may be quantified using methods known to those of ordinary skill in the art. A reduction in the amount of HIV virus in the sample compared to the amount found in the blood before administration of one or more anti-HIV compounds would represent inhibition of the

30 replication of HIV virus in the mammal. The administration of one or more anti-HIV compounds to the cell, such as in a mammal, may be in the form of single dose or a series of doses. In the case of more than one dose, the doses may be administered in one day or they may be administered over more than one day.

The terms "anti-HIV compound" and "HIV-inhibiting agent," as used herein, mean a compound or combination of compounds capable of inhibiting the replication of HIV in a cell, such as a cell in a mammal. Such compounds may inhibit the replication of HIV through any mechanism known to those of ordinary skill in the art.

The terms "human immunodeficiency virus-inhibiting amount," "HIV-inhibiting amount," and "HIV replication-inhibiting amount" as used herein, refer to the amount of an anti-HIV compound, or a pharmaceutically acceptable salt or solvate thereof, required to inhibit replication

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of the human immunodeficiency virus (HIV) *in vivo*, such as in a mammal, or *in vitro*. The amount of such compounds required to cause such inhibition can be determined without undue experimentation using methods described herein and those known to those of ordinary skill in the art.

5 The terms "therapeutically effective amount" or "effective amount," as used herein, means an amount of a compound that, when administered to a mammal in need of such treatment, is sufficient to effect treatment, as defined herein. Thus, a therapeutically effective amount or effective amount of a compound is a quantity sufficient to modulate or inhibit the activity of a particular enzyme target or biological process such that a disease condition that is
10 mediated by activity of such an enzyme target or biological process is reduced or alleviated. Examples of the modulation or inhibition of a particular target enzyme target or biological process include, but are not limited to, inhibition of the HIV protease enzyme and inhibition of the CYP450 enzymes, such as the CYP3A4 enzyme.

 The terms "treat", "treating", and "treatment" refer to any treatment of any disease or
15 condition in a mammal, particularly a human, and include: (i) preventing the disease or condition from occurring in a subject which may be predisposed to the condition, such that the treatment constitutes prophylactic treatment for the pathologic condition; (ii) modulating or inhibiting the disease or condition, i.e., arresting its development; (iii) relieving the disease or condition, i.e., causing regression of the disease or condition; or (iv) relieving and/or alleviating the disease or
20 condition or the symptoms resulting from the disease or condition, e.g., relieving an inflammatory response without addressing the underlying disease or condition.

 The terms "resistant," "resistance," and "resistant HIV," as used herein, refer to HIV virus demonstrating a reduction in sensitivity to a particular drug. A mammal infected with HIV that is resistant to a particular anti-HIV agent or combination of agents usually manifests an increase in
25 HIV viral load despite continued administration of the agent or agents. Resistance may be either genotypic, meaning that a mutation in the HIV genetic make-up has occurred, or phenotypic, meaning that resistance is discovered by successfully growing laboratory cultures of HIV virus in the presence of an anti-HIV agent or a combination of such agents.

 The terms "protease inhibitor" and "HIV protease inhibitor," as used herein, refer to
30 compounds or combinations of compounds that interfere with the proper functioning of the HIV protease enzyme that is responsible for cleaving long strands of viral protein into the separate proteins making up the viral core.

 The terms "viral load" and "HIV viral load," as used herein, mean the amount of HIV in the circulating blood of a mammal, such as a human. The amount of HIV virus in the blood of
35 mammal can be determined by measuring the quantity of HIV RNA in the blood using methods known to those of ordinary skill in the art.

 The term, "compound of the present invention" refers to any compound of formula (I), including those in the Examples that follow, and also include those generically described or those described as species. The term also refers to pharmaceutically acceptable salts or solvates of
40 these compounds.

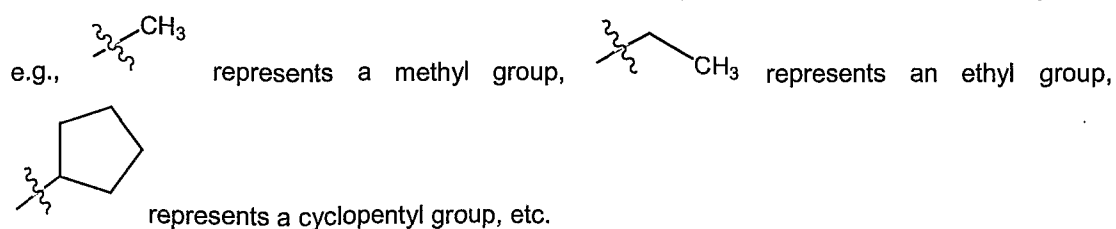
DETAILED DESCRIPTION

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The compounds of the present invention may be administered to a mammal, such as a human, in combination with an additional compound so that there is an increase of the exposure, or an increase in the bioavailability of the additional compound, or an improvement in the pharmacokinetics, of the additional compound in the mammal. The term "exposure," as used
5 herein, refers to the concentration of an additional or second compound in the plasma of a mammal as measured over a period of time. An increase of the exposure of a mammal to an additional or second compound can be measured by first administering the additional or second compound to a mammal in an appropriate form and in the absence of the administration of a compound of the invention, withdrawing plasma samples at predetermined times, and measuring
10 the amount of the compound in the plasma using an appropriate analytical technique, such as liquid chromatography or liquid chromatography-tandem mass spectroscopy. The same study is then repeated, except that a compound of the present invention is co-administered with the additional or second compound. The amount of the additional or second compound present in the plasma at a certain time is determined and the concentration and time data from all the
15 samples are plotted to afford a curve. The area under this curve is calculated and affords the exposure of the mammal to the compound. The difference in the areas under the curve in the presence and absence of a compound of the present invention affords a measure of the increase of the exposure to the additional or second compound in the plasma of the mammal. The terms "exposure," "area under the curve," and "area under the concentration/time curve" are intended
20 to have the same meaning and may be used interchangeably throughout.

Such co-administration to a mammal of a compound of the present invention and a second or additional compound, as described above, may occur such that a compound or compounds of the present invention are present in the same formulation as the additional agents described above. Alternatively, such a combination may be administered such that the
25 compound or compounds of the present invention are present in a formulation that is separate from the formulation in which the additional agent is found. If the compound or compounds of the present invention are administered separately from the additional agent, such administration may take place at the same or sequentially with an appropriate period of time in between. The choice of whether to include the compound or compounds of the present invention in the same
30 formulation as the additional agent or agents is within the knowledge of one of ordinary skill in the art.

In accordance with a convention used in the art, the symbol  is used in structural formulas herein to depict the bond that is the point of attachment of the moiety or substituent to the core or backbone structure. In accordance with another convention, in some structural
35 formulae herein the carbon atoms and their bound hydrogen atoms are not explicitly depicted,



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The term "stereoisomers" refers to compounds that have identical chemical constitution, but differ with regard to the arrangement of their atoms or groups in space. In particular, the term "enantiomers" refers to two stereoisomers of a compound that are non-superimposable mirror images of one another. The terms "racemic" or "racemic mixture," as used herein, refer to a 1:1 mixture of enantiomers of a particular compound. The term "diastereomers", on the other hand, refers to the relationship between a pair of stereoisomers that comprise two or more asymmetric centers and are not mirror images of one another.

The compounds of the present invention may have asymmetric carbon atoms. The bonds of the compounds of the present invention may be depicted herein using a solid line (—), a solid wedge (), or a dotted wedge (). The use of a solid line to depict bonds from asymmetric carbon atoms is meant to indicate that all possible stereoisomers at that carbon atom are included. The use of either a solid or dotted wedge to depict bonds from asymmetric carbon atoms is meant to indicate that only the stereoisomer shown is meant to be included. It is possible that compounds of the invention may contain more than one asymmetric carbon atom. In those compounds, the use of a solid line to depict bonds from asymmetric carbon atoms is meant to indicate that all possible stereoisomers are meant to be included. The use of a solid line to depict bonds from one or more asymmetric carbon atoms in a compound of the invention and the use of a solid or dotted wedge to depict bonds from other asymmetric carbon atoms in the same compound is meant to indicate that a mixture of diastereomers is present.

If a derivative used in the method of the invention is a base, a desired salt may be prepared by any suitable method known to the art, including treatment of the free base with an inorganic acid, such as hydrochloric acid; hydrobromic acid; sulfuric acid; nitric acid; phosphoric acid; and the like, or with an organic acid, such as acetic acid; maleic acid; succinic acid; mandelic acid; fumaric acid; malonic acid; pyruvic acid; oxalic acid; glycolic acid; salicylic acid; pyranosidyl acid, such as glucuronic acid or galacturonic acid; alpha-hydroxy acid, such as citric acid or tartaric acid; amino acid, such as aspartic acid or glutamic acid; aromatic acid, such as benzoic acid or cinnamic acid; sulfonic acid, such as p-toluenesulfonic acid or ethanesulfonic acid; and the like.

If a derivative used in the method of the invention is an acid, a desired salt may be prepared by any suitable method known to the art, including treatment of the free acid with an inorganic or organic base, such as an amine (primary, secondary, or tertiary); an alkali metal or alkaline earth metal hydroxide; or the like. Examples of suitable salts include organic salts derived from amino acids such as glycine and arginine; ammonia; primary, secondary, and tertiary amines; and cyclic amines, such as piperidine, morpholine, and piperazine; as well as inorganic salts derived from sodium, calcium, potassium, magnesium, manganese, iron, copper, zinc, aluminum, and lithium.

A "solvate" is intended to mean a pharmaceutically acceptable solvate form of a specified compound that retains the biological effectiveness of such compound. Examples of solvates include, but are not limited to, compounds of the invention in combination with water,

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isopropanol, ethanol, methanol, dimethylsulfoxide (DMSO), N,N-dimethylformamide (DMF), ethyl acetate, acetic acid, ethanolamine, or mixtures thereof.

A "pharmaceutically acceptable salt" is intended to mean a salt that retains the biological effectiveness of the free acids and bases of the specified derivative, containing pharmacologically acceptable anions, and is not biologically or otherwise undesirable. Examples of pharmaceutically acceptable salts include, but are not limited to, acetate, acrylate, benzenesulfonate, benzoate (such as chlorobenzoate, methylbenzoate, dinitrobenzoate, hydroxybenzoate, and methoxybenzoate), bicarbonate, bisulfate, bisulfite, bitartrate, borate, bromide, butyne-1,4-dioate, calcium edetate, camsylate, carbonate, chloride, caproate, caprylate, clavulanate, citrate, decanoate, dihydrochloride, dihydrogenphosphate, edetate, edisylate, estolate, esylate, ethylsuccinate, formate, fumarate, gluceptate, gluconate, glutamate, glycollate, glycolylarsanilate, heptanoate, hexyne-1,6-dioate, hexylresorcinate, hydrabamine, hydrobromide, hydrochloride, γ -hydroxybutyrate, iodide, isobutyrate, isothionate, lactate, lactobionate, laurate, malate, maleate, malonate, mandelate, mesylate, metaphosphate, methane-sulfonate, methylsulfate, monohydrogenphosphate, mucate, napsylate, naphthalene-1-sulfonate, naphthalene-2-sulfonate, nitrate, oleate, oxalate, pamoate (embonate), palmitate, pantothenate, phenylacetates, phenylbutyrate, phenylpropionate, phthalate, phosphate/diphosphate, polygalacturonate, propanesulfonate, propionate, propiolate, pyrophosphate, pyrosulfate, salicylate, stearate, subacetate, suberate, succinate, sulfate, sulfonate, sulfite, tannate, tartrate, teoclate, tosylate, triethiodode, and valerate salts.

The compounds of the present invention that are basic in nature are capable of forming a wide variety of different salts with various inorganic and organic acids. Although such salts must be pharmaceutically acceptable for administration to animals, it is often desirable in practice to initially isolate the compound of the present invention from the reaction mixture as a pharmaceutically unacceptable salt and then simply convert the latter back to the free base compound by treatment with an alkaline reagent and subsequently convert the latter free base to a pharmaceutically acceptable acid addition salt. The acid addition salts of the base compounds of this invention can be prepared by treating the base compound with a substantially equivalent amount of the selected mineral or organic acid in an aqueous solvent medium or in a suitable organic solvent, such as methanol or ethanol. Upon evaporation of the solvent, the desired solid salt is obtained. The desired acid salt can also be precipitated from a solution of the free base in an organic solvent by adding an appropriate mineral or organic acid to the solution.

Those compounds of the present invention that are acidic in nature are capable of forming base salts with various pharmacologically acceptable cations. Examples of such salts include the alkali metal or alkaline-earth metal salts and particularly, the sodium and potassium salts. These salts are all prepared by conventional techniques. The chemical bases which are used as reagents to prepare the pharmaceutically acceptable base salts of this invention are those which form non-toxic base salts with the acidic compounds of the present invention. Such non-toxic base salts include those derived from such pharmacologically acceptable cations as sodium, potassium calcium and magnesium, etc. These salts can be prepared by treating the corresponding acidic compounds with an aqueous solution containing the desired pharmacologically acceptable cations,

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and then evaporating the resulting solution to dryness, preferably under reduced pressure. Alternatively, they may also be prepared by mixing lower alkanolic solutions of the acidic compounds and the desired alkali metal alkoxide together, and then evaporating the resulting solution to dryness in the same manner as before. In either case, stoichiometric quantities of reagents are preferably employed in order to ensure completeness of reaction and maximum yields of the desired final product.

If the inventive compound is a base, the desired pharmaceutically acceptable salt may be prepared by any suitable method available in the art, for example, treatment of the free base with an inorganic acid, such as hydrochloric acid, hydrobromic acid, sulfuric acid, nitric acid, phosphoric acid and the like, or with an organic acid, such as acetic acid, maleic acid, succinic acid, mandelic acid, fumaric acid, malonic acid, pyruvic acid, oxalic acid, glycolic acid, salicylic acid, a pyranosidyl acid, such as glucuronic acid or galacturonic acid, an alpha-hydroxy acid, such as citric acid or tartaric acid, an amino acid, such as aspartic acid or glutamic acid, an aromatic acid, such as benzoic acid or cinnamic acid, a sulfonic acid, such as p-toluenesulfonic acid or ethanesulfonic acid, or the like.

If the inventive compound is an acid, the desired pharmaceutically acceptable salt may be prepared by any suitable method, for example, treatment of the free acid with an inorganic or organic base, such as an amine (primary, secondary or tertiary), an alkali metal hydroxide or alkaline earth metal hydroxide, or the like. Illustrative examples of suitable salts include organic salts derived from amino acids, such as glycine and arginine, ammonia, primary, secondary, and tertiary amines, and cyclic amines, such as piperidine, morpholine and piperazine, and inorganic salts derived from sodium, calcium, potassium, magnesium, manganese, iron, copper, zinc, aluminum and lithium.

In the case of agents that are solids, it is understood by those skilled in the art that the inventive compounds, agents and salts may exist in different crystal or polymorphic forms, all of which are intended to be within the scope of the present invention and specified formulas.

The compounds of the present invention may be formulated into pharmaceutical compositions as described below in any pharmaceutical form recognizable to the skilled artisan as being suitable. Pharmaceutical compositions of the invention comprise a therapeutically effective amount of at least one compound of the present invention and an inert, pharmaceutically acceptable carrier or diluent.

The pharmaceutical carriers employed may be either solid or liquid. Exemplary solid carriers are lactose, sucrose, talc, gelatin, agar, pectin, acacia, magnesium stearate, stearic acid and the like. Exemplary liquid carriers are syrup, peanut oil, olive oil, water and the like. Similarly, the inventive compositions may include time-delay or time-release material known in the art, such as glyceryl monostearate or glyceryl distearate alone or with a wax, ethylcellulose, hydroxypropylmethylcellulose, methylmethacrylate or the like. Further additives or excipients may be added to achieve the desired formulation properties. For example, a bioavailability enhancer, such as Labrasol®, Gelucire® or the like, or formulator, such as CMC (carboxymethylcellulose), PG (propyleneglycol), or PEG (polyethyleneglycol), may be added. Gelucire®,

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a semi-solid vehicle that protects active ingredients from light, moisture and oxidation, may be added, e.g., when preparing a capsule formulation.

If a solid carrier is used, the preparation can be tableted, placed in a hard gelatin capsule in powder or pellet form, or formed into a troche or lozenge. The amount of solid carrier may vary, but generally will be from about 25 mg to about 1 g. If a liquid carrier is used, the preparation may be in the form of syrup, emulsion, soft gelatin capsule, sterile injectable solution or suspension in an ampoule or vial or non-aqueous liquid suspension. If a semi-solid carrier is used, the preparation may be in the form of hard and soft gelatin capsule formulations. The inventive compositions are prepared in unit-dosage form appropriate for the mode of administration, e.g., parenteral or oral administration.

To obtain a stable water-soluble dose form, a pharmaceutically acceptable salt of a compound of the present invention may be dissolved in an aqueous solution of an organic or inorganic acid, such as 0.3 M solution of succinic acid or citric acid. If a soluble salt form is not available, the agent may be dissolved in a suitable cosolvent or combinations of cosolvents. Examples of suitable cosolvents include alcohol, propylene glycol, polyethylene glycol 300, polysorbate 80, glycerin and the like in concentrations ranging from 0-60% of the total volume. In an exemplary embodiment, a compound of Formula I is dissolved in DMSO and diluted with water. The composition may also be in the form of a solution of a salt form of the active ingredient in an appropriate aqueous vehicle such as water or isotonic saline or dextrose solution.

Proper formulation is dependent upon the route of administration selected. For injection, the agents of the compounds of the present invention may be formulated into aqueous solutions, preferably in physiologically compatible buffers such as Hanks solution, Ringer's solution, or physiological saline buffer. For transmucosal administration, penetrants appropriate to the barrier to be permeated are used in the formulation. Such penetrants are generally known in the art.

For oral administration, the compounds can be formulated by combining the active compounds with pharmaceutically acceptable carriers known in the art. Such carriers enable the compounds of the invention to be formulated as tablets, pills, dragees, capsules, liquids, gels, syrups, slurries, suspensions and the like, for oral ingestion by a subject to be treated. Pharmaceutical preparations for oral use can be obtained using a solid excipient in admixture with the active ingredient (agent), optionally grinding the resulting mixture, and processing the mixture of granules after adding suitable auxiliaries, if desired, to obtain tablets or dragee cores. Suitable excipients include: fillers such as sugars, including lactose, sucrose, mannitol, or sorbitol; and cellulose preparations, for example, maize starch, wheat starch, rice starch, potato starch, gelatin, gum, methyl cellulose, hydroxypropylmethyl-cellulose, sodium carboxymethylcellulose, or polyvinylpyrrolidone (PVP). If desired, disintegrating agents may be added, such as crosslinked polyvinyl pyrrolidone, agar, or alginic acid or a salt thereof such as sodium alginate.

Dragee cores are provided with suitable coatings. For this purpose, concentrated sugar solutions may be used, which may optionally contain gum arabic, polyvinyl pyrrolidone, Carbopol

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gel, polyethylene glycol, and/or titanium dioxide, lacquer solutions, and suitable organic solvents or solvent mixtures. Dyestuffs or pigments may be added to the tablets or dragee coatings for identification or to characterize different combinations of active agents.

Pharmaceutical preparations that can be used orally include push-fit capsules made of
5 gelatin, as well as soft, sealed capsules made of gelatin and a plasticizer, such as glycerol or sorbitol. The push-fit capsules can contain the active ingredients in admixture with fillers such as lactose, binders such as starches, and/or lubricants such as talc or magnesium stearate, and, optionally, stabilizers. In soft capsules, the active agents may be dissolved or suspended in
10 suitable liquids, such as fatty oils, liquid paraffin, or liquid polyethylene glycols. In addition, stabilizers may be added. All formulations for oral administration should be in dosages suitable for such administration. For buccal administration, the compositions may take the form of tablets or lozenges formulated in conventional manner.

For administration intranasally or by inhalation, the compounds for use according to the present invention may be conveniently delivered in the form of an aerosol spray presentation
15 from pressurized packs or a nebuliser, with the use of a suitable propellant, e.g., dichlorodifluoromethane, trichlorofluoromethane, dichlorotetrafluoroethane, carbon dioxide, or other suitable gas. In the case of a pressurized aerosol the dosage unit may be determined by providing a valve to deliver a metered amount. Capsules and cartridges of gelatin for use in an inhaler or insufflator and the like may be formulated containing a powder mix of the compound
20 and a suitable powder base such as lactose or starch.

The compounds may be formulated for parenteral administration by injection, e.g., by bolus injection or continuous infusion. Formulations for injection may be presented in unit-dosage form, e.g., in ampoules or in multi-dose containers, with an added preservative. The compositions may take such forms as suspensions, solutions or emulsions in oily or aqueous
25 vehicles, and may contain formulatory agents such as suspending, stabilizing and/or dispersing agents.

Pharmaceutical formulations for parenteral administration include aqueous solutions of the active compounds in water-soluble form. Additionally, suspensions of the active agents may be prepared as appropriate oily injection suspensions. Suitable lipophilic solvents or vehicles
30 include fatty oils such as sesame oil, or synthetic fatty acid esters, such as ethyl oleate or triglycerides, or liposomes. Aqueous injection suspensions may contain substances that increase the viscosity of the suspension, such as sodium carboxymethyl cellulose, sorbitol, or dextran. Optionally, the suspension may also contain suitable stabilizers or agents that increase the solubility of the compounds to allow for the preparation of highly concentrated solutions.

35 Alternatively, the active ingredient may be in powder form for constitution with a suitable vehicle, e.g., sterile pyrogen-free water, before use.

In addition to the formulations described above, the compounds of the present invention may also be formulated as a depot preparation. Such long-acting formulations may be administered by implantation (for example, subcutaneously or intramuscularly) or by
40 intramuscular injection. Thus, for example, the compounds may be formulated with suitable polymeric or hydrophobic materials (for example, as an emulsion in an acceptable oil) or ion-

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exchange resins, or as sparingly soluble derivatives, for example, as a sparingly soluble salt.

A pharmaceutical carrier for hydrophobic compounds is a cosolvent system comprising benzyl alcohol, a nonpolar surfactant, a water-miscible organic polymer, and an aqueous phase. The cosolvent system may be a VPD co-solvent system. VPD is a solution of 3% w/v benzyl
5 alcohol, 8% w/v of the nonpolar surfactant polysorbate 80, and 65% w/v polyethylene glycol 300, made up to volume in absolute ethanol. The VPD co-solvent system (VPD: 5W) contains VPD diluted 1:1 with a 5% dextrose in water solution. This co-solvent system dissolves hydrophobic compounds well, and itself produces low toxicity upon systemic administration. The proportions of a co-solvent system may be suitably varied without destroying its solubility and toxicity
10 characteristics. Furthermore, the identity of the co-solvent components may be varied: for example, other low-toxicity nonpolar surfactants may be used instead of polysorbate 80; the fraction size of polyethylene glycol may be varied; other biocompatible polymers may replace polyethylene glycol, e.g. polyvinyl pyrrolidone; and other sugars or polysaccharides may be substituted for dextrose.

15 Alternatively, other delivery systems for hydrophobic pharmaceutical compounds may be employed. Liposomes and emulsions are known examples of delivery vehicles or carriers for hydrophobic drugs. Certain organic solvents such as dimethylsulfoxide also may be employed, although usually at the cost of greater toxicity due to the toxic nature of DMSO. Additionally, the compounds may be delivered using a sustained-release system, such as semipermeable
20 matrices of solid hydrophobic polymers containing the therapeutic agent. Various sustained-release materials have been established and are known by those skilled in the art. Sustained-release capsules may, depending on their chemical nature, release the compounds for a few weeks up to over 100 days. Depending on the chemical nature and the biological stability of the therapeutic reagent, additional strategies for protein stabilization may be employed.

25 The pharmaceutical compositions also may comprise suitable solid- or gel-phase carriers or excipients. These carriers and excipients may provide marked improvement in the bioavailability of poorly soluble drugs. Examples of such carriers or excipients include calcium carbonate, calcium phosphate, sugars, starches, cellulose derivatives, gelatin, and polymers such as polyethylene glycols. Furthermore, additives or excipients such as Gelucire®, Capryol®,
30 Labrafil®, Labrasol®, Lauroglycol®, Plurol®, Peceol® Transcutol® and the like may be used. Further, the pharmaceutical composition may be incorporated into a skin patch for delivery of the drug directly onto the skin.

It will be appreciated that the actual dosages of the agents of this invention will vary according to the particular agent being used, the particular composition formulated, the mode of
35 administration, and the particular site, host, and disease being treated. Those skilled in the art using conventional dosage-determination tests in view of the experimental data for a given compound may ascertain optimal dosages for a given set of conditions. For oral administration, an exemplary daily dose generally employed will be from about 0.001 to about 1000 mg/kg of body weight, with courses of treatment repeated at appropriate intervals.

40 Furthermore, the pharmaceutically acceptable formulations of the present invention may contain a compound of the present invention, or a pharmaceutically acceptable salt or solvate

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thereof, in an amount of about 10 mg to about 2000 mg, or from about 10 mg to about 1500 mg, or from about 10 mg to about 1000 mg, or from about 10 mg to about 750 mg, or from about 10 mg to about 500 mg, or from about 25 mg to about 500 mg, or from about 50 to about 500 mg, or from about 100 mg to about 500mg.

5 Additionally, the pharmaceutically acceptable formulations of the present invention may contain a compound of the present invention, or a pharmaceutically acceptable salt or solvate thereof, in an amount from about 0.5 w/w% to about 95 w/w%, or from about 1 w/w% to about 95 w/w%, or from about 1 w/w% to about 75 w/w%, or from about 5 w/w% to about 75 w/w%, or from about 10 w/w% to about 75 w/w%, or from about 10 w/w% to about 50 w/w%.

10 To treat or prevent diseases or conditions mediated by HIV, a pharmaceutical composition of the invention in a suitable formulation is administered in combination with at least one anti-HIV agent. A combined formulation of a compound of the present invention and an at least anti-HIV agent may be prepared by combining a therapeutically effective amount (i.e., a cytochrome P450-inhibiting amount) of at least one compound of the present invention (as an
15 active ingredient) with one or more anti-HIV agents and at least one pharmaceutically suitable carrier, which may be selected, for example, from diluents, excipients and auxiliaries that facilitate processing of the active compounds into the final pharmaceutical preparations.

 Alternatively, to treat or prevent diseases or conditions mediated by HIV, a pharmaceutical composition of the invention in a suitable formulation is administered at the same
20 time as at least one anti-HIV agent that is in a separate, pharmaceutically acceptable formulation. Such a dosing regimen may be designed such that a compound of the present invention is administered to an HIV-infected mammal prior to, at the same time as, or after the administration of the pharmaceutical formulation containing at least one anti-HIV agent. The pharmaceutically acceptable formulation of the compound of the present invention may be
25 prepared by combining the compound and at least one pharmaceutically suitable carrier, which may be selected, for example, from diluents, excipients and auxiliaries that facilitate processing of the active compounds into the final pharmaceutical preparations.

 The compounds of the present invention, or a pharmaceutically acceptable salt or solvate thereof, may be administered to a mammal suffering from infection with HIV, such as a
30 human, either alone or as part of a pharmaceutically acceptable formulation, once a day, twice a day, or three times a day in combination with an anti-HIV agent.

 Those of ordinary skill in the art will understand that with respect to the compounds of the present invention, the particular pharmaceutical formulation, the dosage, and the number of doses given per day to a mammal requiring such treatment, and the choice of a particular anti-
35 HIV agent or agents are all choices within the knowledge of one of ordinary skill in the art and can be determined without undue experimentation. For example, see "Guidelines for the Use of Antiretroviral Agents in HIV-1 Infected Adults and Adolescents," United States Department of Health and Human Services, available at <http://www.aidsinfo.nih.gov/guidelines/> as of April 16, 2004.

40 The compounds of the present invention may be administered in combination with an additional agent or agents for the treatment of a mammal, such as a human, that is suffering from

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an infection with the HIV virus, AIDS, AIDS-related complex (ARC), or any other disease or condition which is related to infection with the HIV virus. The agents that may be used in combination with the compounds of the present invention include, but are not limited to, those useful as HIV protease inhibitors, HIV reverse transcriptase inhibitors, non-nucleoside HIV reverse transcriptase inhibitors, inhibitors of HIV integrase, CCR5 inhibitors, HIV fusion inhibitors, compounds useful as immunomodulators, compounds that inhibit the HIV virus by an unknown mechanism, compounds useful for the treatment of herpes viruses, compounds useful as anti-infectives, and others as described below.

Compounds useful as HIV protease inhibitors that may be used in combination with the compounds of the present invention include, but are not limited to, 141 W94 (amprenavir), CGP-73547, CGP-61755, DMP-450, nelfinavir, ritonavir, saquinavir (invirase), lopinavir, TMC-126, atazanavir, palinavir, GS-3333, KN I-413, KNI-272, LG-71350, CGP-61755, PD 173606, PD 177298, PD 178390, PD 178392, U-140690, ABT-378, DMP-450, AG-1776, MK-944, VX-478, indinavir, tipranavir, darunavir, brexanavir, DPC-681, DPC-684, fosamprenavir calcium (Lexiva), benzenesulfonamide derivatives disclosed in WO 03053435, R-944, Ro-03-34649, VX-385, GS-224338, OPT-TL3, PL-100, SM-309515, AG-148, DG-35-VIII, DMP-850, GW-5950X, KNI-1039, L-756423, LB-71262, LP-130, RS-344, SE-063, UIC-94-003, Vb-19038, A-77003, BMS-182193, BMS-186318, SM-309515, JE-2147, GS-9005, and (4R)-N-allyl-3-[(2S,3S)-2-hydroxy-3-[(3-hydroxy-2-methylbenzoyl)amino]-4-phenylbutanoyl]-5,5-dimethyl-1,3-thiazolidine-4-carboxamide.

Compounds useful as inhibitors of the HIV reverse transcriptase enzyme that may be used in combination with the compounds of the present invention include, but are not limited to, abacavir, FTC, GS-840, lamivudine, adefovir dipivoxil, beta-fluoro-ddA, zalcitabine, didanosine, stavudine, zidovudine, tenofovir, amdoxovir, SPD-754, SPD-756, racivir, reverset (DPC-817), MIV-210 (FLG), beta-L-Fd4C (ACH-126443), MIV-310 (alovudine, FLT), dOTC, DAPD, entecavir, GS-7340, emtricitabine, and alovudine.

Compounds useful as non-nucleoside inhibitors of the HIV reverse transcriptase enzyme that may be used in combination with the compounds of the present invention include, but are not limited to, efavirenz, HBY-097, nevirapine, TMC-120 (dapivirine), TMC-125, etravirine, delavirdine, DPC-083, DPC-961, TMC-120, capravirine, GW-678248, GW-695634, calanolide, and tricyclic pyrimidinone derivatives as disclosed in WO 03062238.

Compounds useful as CCR5 inhibitors that may be used in combination with the compounds of the present invention include, but are not limited to, TAK-779, SC-351125, SCH-D, (N-((1S)-3-[3-isopropyl-5-methyl-4H-1,2,4-triazole-4-yl]-exo-8-azabicyclo[3.2.1]oct-8-yl)-1-phenylpropyl)-4,4-difluorocyclohexanecarboxamide), ethyl 1-endo-{8-[(3S)-3-(acetylamino)-3-(3-fluorophenyl)propyl]-8-azabicyclo[3.2.1]oct-3-yl}-2-methyl-4,5,6,7-tetrahydro-1H-imidazo[4,5-c]pyridine-5-carboxylate, N-((1S)-3-[3-endo-(5-isobutyryl-2-methyl-4,5,6,7-tetrahydro-1H-imidazo[4,5-c]pyridin-1-yl)-8-azabicyclo[3.2.1]oct-8-yl]-1-(3-fluorophenyl)propyl)acetamide), PRO-140, and GW-873140 (Ono-4128, AK-602).

Compounds useful as inhibitors of HIV integrase enzyme that may be used in combination with the compounds of the present invention include, but are not limited to, GW-810781, 1,5-naphthyridine-3-carboxamide derivatives disclosed in WO 03062204, compounds

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disclosed in WO 03047564, compounds disclosed in WO 03049690, and 5-hydroxypyrimidine-4-carboxamide derivatives disclosed in WO 03035076.

Fusion inhibitors for the treatment of HIV that may be used in combination with the compounds of the present invention include, but are not limited to enfuvirtide (T-20), T-1249, 5 AMD-3100, and fused tricyclic compounds disclosed in JP 2003171381.

Other compounds that are useful inhibitors of HIV that may be used in combination with the compounds of the present invention include, but are not limited to, Soluble CD4, TNX-355, PRO-542, BMS-806, tenofovir disoproxil fumarate, and compounds disclosed in JP 2003119137.

Compounds useful in the treatment or management of infection from viruses other than 10 HIV that may be used in combination with the compounds of the present invention include, but are not limited to, acyclovir, fomivirsen, penciclovir, HPMP, oxetanocin G, AL-721, cidofovir, cytomegalovirus immune globulin, cytochrome, fomivirganciclovir, famciclovir, foscarnet sodium, Isis 2922, KNI-272, valacyclovir, virazole ribavirin, valganciclovir, ME-609, PCL-016

Compounds that act as immunomodulators and may be used in combination with the 15 compounds of the present invention include, but are not limited to, AD-439, AD-519, Alpha Interferon, AS-101, bropiramine, acemannan, CL246,738, EL10, FP-21399, gamma interferon, granulocyte macrophage colony stimulating factor, IL-2, immune globulin intravenous, IMREG-1, IMREG-2, imuthiol diethyl dithio carbamate, alpha-2 interferon, methionine-enkephalin, MTP-PE, granulocyte colony stimulating factor, remune, rCD4, recombinant soluble human CD4, 20 interferon alfa-2, SK&F106528, soluble T4 ymopentin, tumor necrosis factor (TNF), tucareol, recombinant human interferon beta, and interferon alfa n-3.

Anti-infectives that may be used in combination with the compounds of the present invention include, but are not limited to, atovaquone, azithromycin, clarithromycin, trimethoprim, trovafloxacin, pyrimethamine, daunorubicin, clindamycin with primaquine, fluconazole, pastill, 25 ornidyl, eflornithine pentamidine, rifabutin, spiramycin, itraconazole-R51211, trimetrexate, daunorubicin, recombinant human erythropoietin, recombinant human growth hormone, megestrol acetate, testosterone, and total enteral nutrition.

Antifungals that may be used in combination with the compounds of the present invention include, but are not limited to, anidulafungin, C31G, caspofungin, DB-289, fluconazole, 30 itraconazole, ketoconazole, micafungin, posaconazole, and voriconazole.

Other compounds that may be used in combination with the compounds of the present invention include, but are not limited to, acemannan, ansamycin, LM 427, AR177, BMS-232623, BMS-234475, CI-1012, curdlan sulfate, dextran sulfate, STOCRINE EL10, hypericin, lobucavir, novapren, peptide T octapeptide sequence, trisodium phosphonoformate, probucol, and RBC- 35 CD4.

In addition, the compounds of the present invention may be used in combination with anti-proliferative agents for the treatment of conditions such as Kaposi's sarcoma. Such agents include, but are not limited to, inhibitors of metallo-matrix proteases, A-007, bevacizumab, BMS- 275291, halofuginone, interleukin-12, rituximab, paclitaxel, porfimer sodium, rebimastat, and 40 COL-3.

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The particular choice of an additional agent or agents will depend on a number of factors that include, but are not limited to, the condition of the mammal being treated, the particular condition or conditions being treated, the identity of the compound or compounds of the present invention and the additional agent or agents, and the identity of any additional compounds that are being used to treat the mammal. The particular choice of the compound or compounds of the invention and the additional agent or agents is within the knowledge of one of ordinary skill in the art and can be made without undue experimentation.

The compounds of the present invention may be administered in combination with any of the above additional agents for the treatment of a mammal, such as a human, that is suffering from an infection with the HIV virus, AIDS, AIDS-related complex (ARC), or any other disease or condition which is related to infection with the HIV virus. Such a combination may be administered to a mammal such that a compound or compounds of the present invention are present in the same formulation as the additional agents described above. Alternatively, such a combination may be administered to a mammal suffering from infection with the HIV virus such that the compound or compounds of the present invention are present in a formulation that is separate from the formulation in which the additional agent is found. If the compound or compounds of the present invention are administered separately from the additional agent, such administration may take place concomitantly or sequentially with an appropriate period of time in between. The choice of whether to include the compound or compounds of the present invention in the same formulation as the additional agent or agents is within the knowledge of one of ordinary skill in the art.

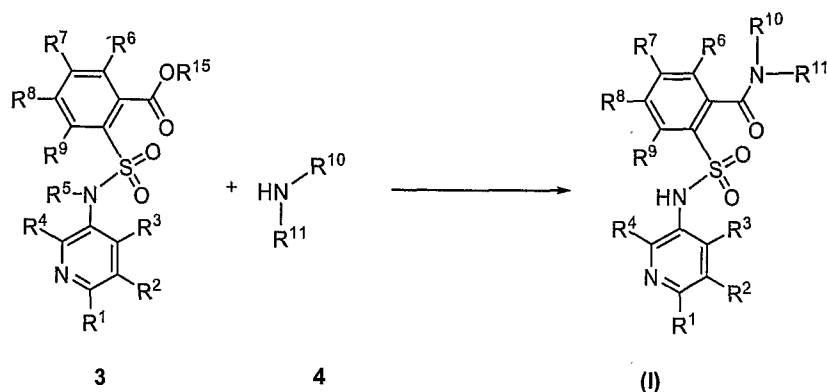
The inventive agents may be prepared using the reaction routes and synthesis schemes as described below, employing the techniques available in the art using starting materials that are readily available. The preparation of certain embodiments of the present invention are described in detail in the following examples, but those of ordinary skill in the art will recognize that the preparations described may be readily adapted to prepare other embodiments of the present invention. For example, the synthesis of non-exemplified compounds according to the invention may be performed by modifications apparent to those skilled in the art, e.g., by appropriately protecting interfering groups, by changing to other suitable reagents known in the art, or by making routine modifications of reaction conditions. Alternatively, other reactions disclosed herein or known in the art will be recognized as having adaptability for preparing other compounds of the invention.

The compounds of Formula (I) can be prepared from compounds of formulae 3 and 4, as shown below in Scheme 1. In general, compounds of formula 3, wherein R^1 , R^2 , R^3 , R^4 , R^5 , R^6 , R^7 , R^8 , and R^9 are as hereinbefore defined, and R^{15} is C_1 - C_{10} alkyl, may be allowed to react with compounds of formula 4, wherein R^{10} and R^{11} are as hereinbefore defined. Such reactions may be performed in an aprotic solvent, such as acetonitrile for example, at a temperature in the range of from about 50 °C to about 150 °C, for example about 110 °C, and optionally in the presence of microwave energy. For example, compounds of formula (I) may be prepared using methyl 2-[(pyridin-3-ylamino)sulfonyl]benzoate by preparing a mixture of methyl 2-[(pyridin-3-ylamino)sulfonyl]benzoate (1 eq) and an appropriate compound of formula 4 (1.5 eq) in CH_3CN

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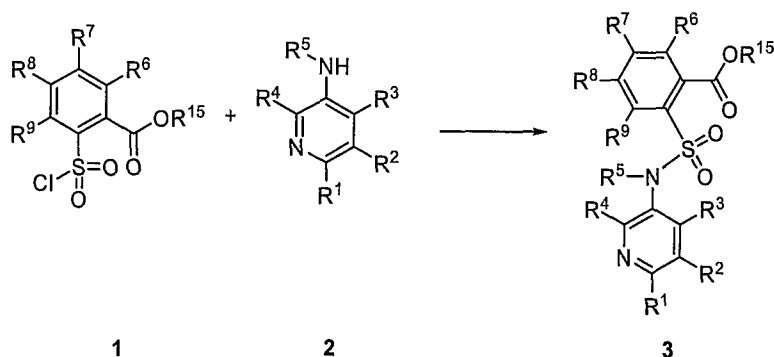
(0.35 M) and heating the resulting mixture to about 110 °C for 30 minutes in a microwave. The reaction mixtures are then allowed to cool to about room temperature and the solvents are removed by evaporation. The resulting crude products may be further purified by methods known to those of ordinary skill in the art, such as the use of silica gel chromatography using an appropriate solvent or mixture of solvents as the eluant.

Scheme 1



Compounds of formula 3 may be prepared from compounds of formulae 1 and 2, wherein R¹, R², R³, R⁴, R⁵, R⁶, R⁷, R⁸, and R⁹ are as hereinbefore defined, and R¹⁵ is C₁-C₁₀ alkyl, as shown below in Scheme 2. Generally, these reactions may be performed in an aprotic solvent, such as acetonitrile for example, at a temperature in the range of from about 0 °C to about 75 °C, for example about 25 °C, and in the presence of a base. Suitable bases include, but are not limited to, inorganic bases, such as potassium carbonate or sodium carbonate for example, or organic bases, such as triethyl amine or N,N-4,4-dimethylaminopyridine for example. Alternatively, a second equivalent of the compound of formula 2 may be used as a suitable base. The choice of whether to use an additional base or an additional equivalent of compound 2 as the base is within the knowledge of one of ordinary skill in the art and can be determined without undue experimentation.

Scheme 2



Compounds of formula 1 are commercially available or may be prepared by those of ordinary skill in the art without undue experimentation using methods found in the literature, such as those found in Kim et al., *Synthesis* (1992), (12), 1203-4; Bastide et al., *Pesticide Science* (1994), 40(4), 293-7; and Diehr et al., United States Patent No. 4,743,294.

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Compounds of formula 2 are either commercially available, may be prepared by those of ordinary skill in the art without undue experimentation using methods found in the literature, or may be prepared using methods described herein.

5 The inhibition of the cytochrome P450 enzyme system by a compound of the present invention can be determined according to methods known to those of skill in the art and the methods described herein. For example, see Morrison, J.F., *Biochim Biophys Acta.*, 1969,185: 269-86; and Szedlascek, S.E., Ostafe, V., Serban, M., and Vlad, M.O., *Biochem. J.*, 1988, 254:311-312.

EXAMPLES

10 The examples below are intended only to illustrate particular embodiments of the present invention and are not meant to limit the scope of the invention in any manner.

In the examples described below, unless otherwise indicated, all temperatures in the following description are in degrees Celsius (°C) and all parts and percentages are by weight, unless indicated otherwise.

15 Various starting materials and other reagents were purchased from commercial suppliers, such as Aldrich Chemical Company or Lancaster Synthesis Ltd., and used without further purification, unless otherwise indicated.

The reactions set forth below were performed under a positive pressure of nitrogen, argon or with a drying tube, at ambient temperature (unless otherwise stated), in anhydrous solvents. Analytical thin-layer chromatography was performed on glass-backed silica gel 60°F 254 plates (Analtech (0.25 mm)) and eluted with the appropriate solvent ratios (v/v). The reactions were assayed by high-pressure liquid chromatography (HPLC) or thin-layer chromatography (TLC) and terminated as judged by the consumption of starting material. The TLC plates were visualized by UV, phosphomolybdic acid stain, or iodine stain.

20 Unless otherwise indicated, ¹H-NMR spectra were recorded on a Bruker instrument operating at 300 MHz and ¹³C-NMR spectra were recorded at 75 MHz. NMR spectra were obtained as DMSO-d₆ or CDCl₃ solutions (reported in ppm), using chloroform as the reference standard (7.25 ppm and 77.00 ppm) or DMSO-d₆ ((2.50 ppm and 39.52 ppm)). Other NMR solvents were used as needed. When peak multiplicities are reported, the following abbreviations are used: s = singlet, d = doublet, t = triplet, m = multiplet, br = broadened, dd = doublet of doublets, dt = doublet of triplets. Coupling constants, when given, are reported in Hertz.

25 Infrared spectra were recorded on a Perkin-Elmer FT-IR Spectrometer as neat oils, as KBr pellets, or as CDCl₃ solutions, and when reported are in wave numbers (cm⁻¹). The mass spectra were obtained using LC/MS or APCI. All melting points are uncorrected.

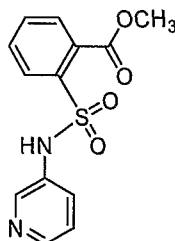
30 All final products had greater than 95% purity (by HPLC at wavelengths of 220nm and 254nm).

All elemental analyses for compounds herein, unless otherwise specified, provided values for C, H, and N analysis that were within 0.4% of the theoretical value, and are reported as "C, H, N."

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In the following examples and preparations, "LDA" means lithium diisopropyl amide, "Et" means ethyl, "Ac" means acetyl, "Me" means methyl, "Ph" means phenyl, (PhO)₂POCl means chlorodiphenylphosphate, "HCl" means hydrochloric acid, "EtOAc" means ethyl acetate, "Na₂CO₃" means sodium carbonate, "NaOH" means sodium hydroxide, "NaCl" means sodium chloride, "NEt₃" means triethylamine, "THF" means tetrahydrofuran, "DIC" means diisopropylcarbodiimide, "HOBt" means hydroxy benzotriazole, "H₂O" means water, "NaHCO₃" means sodium hydrogen carbonate, "K₂CO₃" means potassium carbonate, "MeOH" means methanol, "i-PrOAc" means isopropyl acetate, "MgSO₄" means magnesium sulfate, "DMSO" means dimethylsulfoxide, "AcCl" means acetyl chloride, "CH₂Cl₂" means methylene chloride, "MTBE" means methyl t-butyl ether, "DMF" means dimethyl formamide, "SOCl₂" means thionyl chloride, "H₃PO₄" means phosphoric acid, "CH₃SO₃H" means methanesulfonic acid, "Ac₂O" means acetic anhydride, "CH₃CN" means acetonitrile, and "KOH" means potassium hydroxide.

Example A: Methyl 2-[(pyridin-3-ylamino)sulfonyl]benzoate

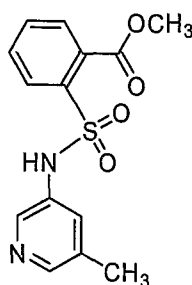


Methyl 2-(chlorosulfonyl)benzoate (14.1 g, 60.0 mmol) was added to a stirred solution of 3-pyridinamine (15.0 g, 159.4 mmol) in CH₃CN (0.4 M). The temperature rose to 25 °C and a small amount of reddish oil separated out. CHCl₃ (2.0 M, protected with amylenes) was added to return all materials to solution. After 1 h, the solvents were evaporated and the residual oil was partitioned between EtOAc and water. The organic layer was washed with water and was evaporated to give the crude product. The crude product was dissolved in the minimum amount of hot EtOAc and was diluted with ether. The product rapidly crystallized out and after 1 hour filtered off and washed with ether to provide the title compound. ¹H NMR (400 MHz, CDCl₃) δ 8.38 (d, 1 H) 8.31 (d, 2 H) 7.93 (d, 2 H) 7.80 (d, 2 H) 7.76 (t, 1 H) 7.64 (t, 1 H) 7.53 (t, 1 H) 7.25 (m, 1H) 4.12 (s, 3H).

Compounds of formula (I) were prepared using methyl 2-[(pyridin-3-ylamino)sulfonyl]benzoate by preparing a mixture of methyl 2-[(pyridin-3-ylamino)sulfonyl]benzoate (1 eq) and an appropriate amine (1.5 eq) in CH₃CN (0.35 M) and heating to about 110 °C for 30 minutes in a microwave. The solutions were allowed to cool to room temperature and the solvent was evaporated. The crude products were purified by SiO₂ column chromatography.

Example B: Methyl 2-[[5-methylpyridin-3-yl]amino]sulfonyl]benzoate

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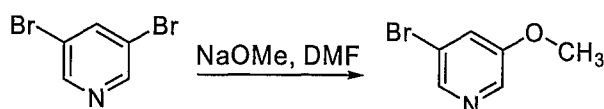


To a solution of 5-methylpyridin-3-amine (0.5 g, 4.62 mmol) in CH_2Cl_2 (50 ml) were added triethylamine (0.64 mL, 4.62 mmol) and methyl 2-(chlorosulfonyl)benzoate (1.08 g, 4.62 mmol). The resulting mixture was stirred at room temperature for 1 hour. The mixture was then diluted with saturated aqueous NaHCO_3 and extracted with CH_2Cl_2 . The organic layer was dried over Na_2SO_4 , filtered and concentrated. The crude residue was purified by flash chromatography (0-8% MeOH/ CH_2Cl_2) to give the title compound (0.476 g, 34 %). ^1H NMR (400 MHz, $\text{DMSO}-d_6$) δ ppm 10.25 - 10.62 (m, 1 H) 8.6 (s, 2 H) 7.81 - 7.93 (m, 1 H) 7.64 - 7.76 (m, 2 H) 7.54 - 7.64 (m, 1 H) 7.28 (s, 1 H) 3.80 (s, 3 H) 2.18 (s, 3 H).

Compounds of formula (I) were prepared using methyl 2-[[[5-methylpyridin-3-yl)amino]sulfonyl]benzoate by preparing a mixture of methyl 2-[[[5-methylpyridin-3-yl)amino]sulfonyl]benzoate (1 eq) and an appropriate amine (1.5 eq) in CH_3CN (0.35 M) and heating to about 110°C for 30 minutes in a microwave. The solutions were allowed to cool to room temperature and the solvent was evaporated. The crude products were purified by SiO_2 column chromatography.

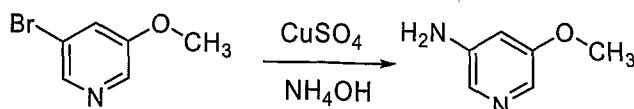
Example C: Preparation of methyl 2-[[[5-methoxypyridin-3-yl)amino]sulfonyl]benzoate

Step 1: 3-bromo-5-methoxypyridine



To a solution of 3,5-dibromopyridine (10.0 g, 42.2 mmol) in DMF (10 mL) in a flask with a distillation head was added NaOMe solution 25% wt/wt (10 mL) and the mixture was heated to 100°C for 3 hours. At the end of 3 hours ~8 mL of MeOH was collected. The DMF solution was cooled to room temperature and diluted with H_2O (25 mL) and extracted with MTBE (2 x 25 mL). The combined organic layers were washed with H_2O (2 x 25 mL), dried over Na_2SO_4 , filtered and concentrated. The residue was then dried under high vacuum for 10 hours to give the title compound (5.2 g, 66%). ^1H NMR (400 MHz, $\text{DMSO}-d_6$) δ 8.26 - 8.31 (m, 2 H) 7.69 - 7.72 (m, 1 H) 3.84 (s, 3 H).

Step 2: 5-methoxypyridin-3-amine

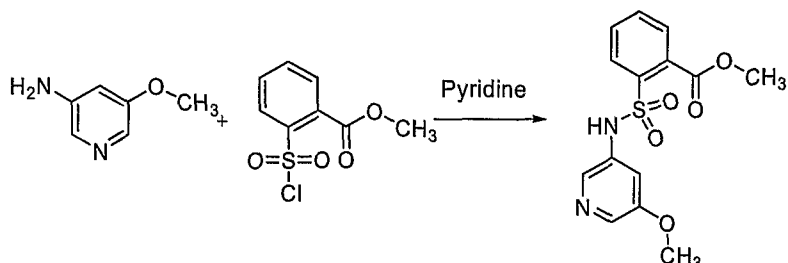


A solution of 3-bromo-5-methoxypyridine (5.2 g, 27.5 mmol) and $\text{CuSO}_4 \cdot \text{H}_2\text{O}$ (1.37 g, 5.5 mmol) in NH_4OH (5 mL) was placed in a sealed tube and heated at 120°C for 10 hours. The

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reaction mixture was then cooled to room temperature, diluted with H₂O (40 mL), and extracted with EtOAc (3 x 30 mL). The combined organic layers were dried over Na₂SO₄, filtered and concentrated to afford the title compound that was used in the next step with no further purification.

5 **Step 3:** methyl 2-[[5-methoxypyridin-3-yl]amino]sulfonyl]benzoate



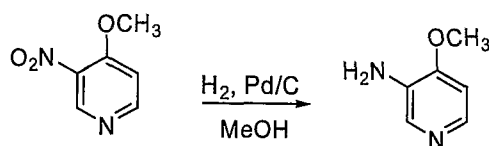
To a solution of 5-methoxypyridin-3-amine (1 eq) in pyridine (0.4 M) was added methyl 2-(chlorosulfonyl)benzoate (1 eq) and the mixture was stirred overnight at room temperature. The mixture was diluted with saturated aqueous NaHCO₃ and extracted with CH₂Cl₂. The organic layer was dried over Na₂SO₄, filtered and concentrated. The crude residue was purified by flash chromatography (0-8% MeOH/ CH₂Cl₂) to give afford the title compound. ¹H NMR (400 MHz, DMSO-D₆) δ ppm 10.56 - 10.66 (m, 1 H) 8.55 - 8.61 (m, 1 H) 7.95 - 8.01 (m, 1 H) 7.86 - 7.94 (m, 1 H) 7.67 - 7.73 (m, 2 H) 7.34 - 7.40 (m, 1 H) 7.02 (s, 1 H) 3.83 (s, 3 H) 3.73 (s, 3 H).

Compounds of formula (I) were prepared using methyl 2-[[5-methoxypyridin-3-yl]amino]sulfonyl]benzoate by preparing a mixture of methyl 2-[[5-methoxypyridin-3-yl]amino]sulfonyl]benzoate (1 eq) and an appropriate amine (1.5 eq) in CH₃CN (0.35 M) and heating to about 110 °C for 30 minutes in a microwave. The solutions were allowed to cool to room temperature and the solvent was evaporated. The crude products were purified by SiO₂ column chromatography.

20

Example D: Preparation of methyl 2-[[4-methoxypyridin-3-yl]amino]sulfonyl]benzoate

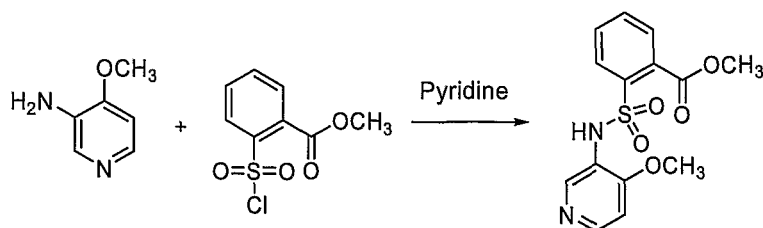
Step 1: 4-methoxypyridin-3-amine



To a solution of 4-methoxy-3-nitropyridine (2.5 g, 16.2 mmol) in MeOH (50 mL) was added Pd/C 10% wt/wt (0.5 g) and the mixture was stirred under 1 atm H₂ for 10 hours at room temperature. The reaction mixture was filtered through celite and filtrate was concentrated. The crude residue was purified by flash chromatography (0-10% MeOH/ CH₂Cl₂) to give compound **16** (0.875 g, 44 %). ¹H NMR (400 MHz, DMSO-D₆) δ 7.83 (s, 1 H) 7.70 (d, 1 H) 6.79 (d, 1 H) 4.79 (s, 2 H) 3.79 (s, 3 H).

30 **Step 2:** methyl 2-[[4-methoxypyridin-3-yl]amino]sulfonyl]benzoate

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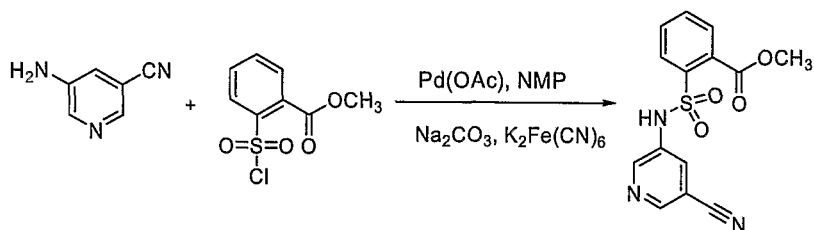


To a solution of 5-methoxypyridin-3-amine (1 eq) in pyridine (0.4 M) was added methyl 2-(chlorosulfonyl)benzoate (1 eq) and the mixture was stirred overnight at room temperature. The mixture was diluted with saturated aqueous NaHCO_3 and extracted with CH_2Cl_2 . The organic layer was dried over Na_2SO_4 , filtered and concentrated. The crude residue was purified by flash chromatography to give afford the title compound. ^1H NMR (400 MHz, $\text{DMSO}-d_6$) δ 9.35 - 9.57 (m, 1 H) 8.54 - 8.61 (m, 1 H) 8.17 - 8.23 (m, 1 H) 7.74 - 7.85 (m, 2 H) 7.61 - 7.73 (m, 1 H) 7.32 - 7.42 (m, 1 H) 6.91 - 7.00 (m, 1 H) 3.73 (s, 3 H) 3.51 (s, 3 H)

Compounds of formula (I) were prepared using methyl 2-[[4-methoxypyridin-3-yl]amino]sulfonylbenzoate by preparing a mixture of methyl 2-[[4-methoxypyridin-3-yl]amino]sulfonylbenzoate (1 eq) and an appropriate amine (1.5 eq) in CH_3CN (0.35 M) and heating to about 110°C for 30 minutes in a microwave. The solutions were allowed to cool to room temperature and the solvent was evaporated. The crude products were purified by SiO_2 column chromatography.

Example E: Preparation of methyl 2-[[5-cyanopyridin-3-yl]amino]sulfonylbenzoate

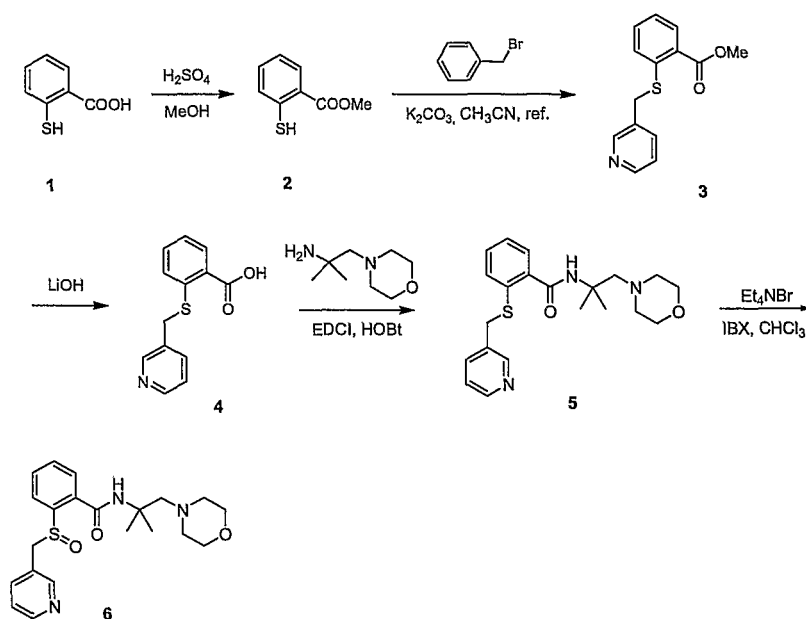
Methyl 2-[[5-cyanopyridin-3-yl]amino]sulfonylbenzoate was prepared following the procedure published in Schareina, T. et al., *J. Organometallic Chemistry* 2004, 689, 4576.



Compounds of formula (I) were prepared using methyl 2-[[5-cyanopyridin-3-yl]amino]sulfonylbenzoate by preparing a mixture of methyl 2-[[5-cyanopyridin-3-yl]amino]sulfonylbenzoate (1 eq) and an appropriate amine (1.5 eq) in CH_3CN (0.35 M) and heating to about 110°C for 30 minutes in a microwave. The solutions were allowed to cool to room temperature and the solvent was evaporated. The crude products were purified by SiO_2 column chromatography.

Example F: Synthesis of N-(1,1-dimethyl-2-morpholin-4-ylethyl)-2-[(pyridin-3-ylmethyl)sulfinyl]benzamide

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Step 1: Methyl 2-mercaptobenzoate (2): Acid 1 (170.0 g, 1.1 mol), H₂SO₄ (20 mL, 0.37 mol) and anhydrous MeOH (300 mL) were refluxed for 2 days. The solvent was evaporated under reduced pressure. Water was added and the mixture was extracted with CH₂Cl₂ (3×1000 mL). The organic layers were combined, washed with aq. NaHCO₃ (2×300 mL), water (2×250 mL), brine (500 mL) and dried over Na₂SO₄ to afford crude compound 2 (165.0 g, 89.6%). This was used without further purification.

Step 2: Methyl 2-(pyridin-3-ylmethylthio)benzoate (3): A mixture of compound 2 (70.0 g, 0.4167 mol), 1-(bromomethyl)benzene (82.8 g, 0.5 mol), K₂CO₃ (350 g, 2.49 mol) and CH₃CN (500 mL) was refluxed overnight. The mixture was allowed to cool to room temperature and filtered. The filtrate was concentrated under reduced pressure. After addition of water, the mixture was extracted with CH₂Cl₂ (3×500 mL). The organic layers were combined, washed with aq. Na₂CO₃ (2×200 mL), water (2×300 mL), brine (300 mL) and dried over Na₂SO₄. After evaporation, crude compound 3 was obtained (64.0 g, 59.4%). This was used without further purification.

Step 3: 2-(pyridin-3-ylmethylthio)benzoic acid (4): To a solution of compound 3 (55.0 g, 0.212 mol) in MeOH/H₂O (300 mL / 50 mL) was added LiOH·H₂O (17.8 g, 0.425 mol) in portions at 0°C. The reaction mixture was stirred at room temperature overnight and TLC showed the starting material was consumed. The solvent was removed under reduced pressure. The residue was diluted with water, and extracted with Et₂O (2×1 L) to remove neutral impurities. The aqueous layer was adjusted to pH 3-4 with 1 N aq. HCl (50 mL) and extracted with EtOAc (2×1 L). The combined organic phases were washed with water (2×200 mL), brine (300 mL), dried over Na₂SO₄ and concentrated to afford compound 4 (35.0 g, 67%). This was used without further purification.

Step 4: N-(2-methyl-1-morpholinopropan-2-yl)-2-(pyridin-3-ylmethylthio)benzamide(5):

To a solution of acid 4 (2.75 g, 11.2 mmol) and 2-methyl-1-morpholinopropan-2-amine (1.12 mL, 7.4 mmol) in anhydrous DMF/DMSO were added EDCI (2.58 g, 13.32 mmol), HOBT (0.182 g, 13.32 mmol) and NMM (3.35 mL, 29.6 mmol) and the mixture was stirred at room temperature

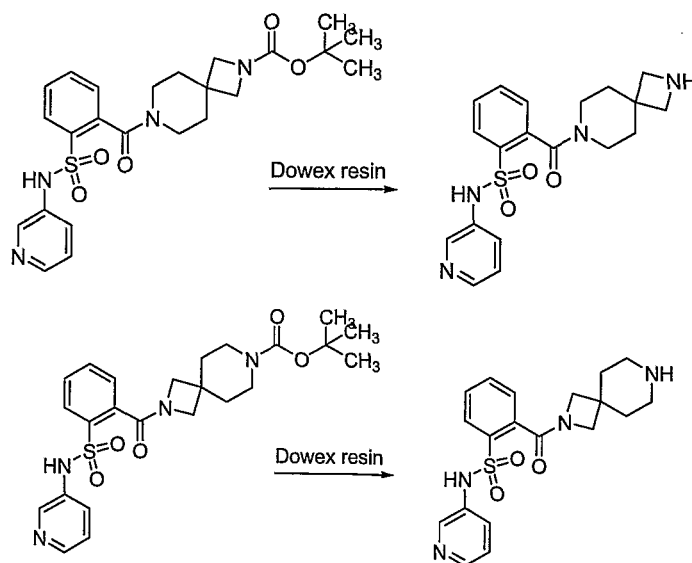
- 51 -

overnight. The solvent was removed in vacuo. After addition of water (10 mL), the mixture was extracted with CH₂Cl₂. The organic layers were combined, washed with 1 N aq. NaOH (15 mL), water (3×10 mL), brine (50 mL) and dried over MgSO₄. The solvent was removed under reduced pressure; the residue was purified via column chromatography (silica gel, EtOAc/ petroleum 1:5) to afford 5 (2.0 g, 50%). ¹H NMR (400 MHz, CHLOROFORM-D) δ ppm 8.46 (d, 1 H) 8.43 (dd, 1 H) 7.52 - 7.56 (m, 1 H) 7.45 - 7.50 (m, 1 H) 7.20 - 7.24 (m, 2 H) 7.13 - 7.19 (m, 1 H) 6.66 (s, 1 H) 4.08 (s, 2 H) 3.63 (t, 4 H) 2.57 - 2.62 (m, 6 H) 1.44 (s, 6 H)

Step 5: N-(2-methyl-1-morpholinopropan-2-yl)-2-(pyridin-3-ylmethylsulfinyl)benzamide (6): To a solution of intermediate 5 (0.143, 0.370 mmol) in CHCl₃ (6 ml) were added Et₄NBr (0.004 g, 0.018 mmol) and IBX (0.142 g, 0.507 mmol) and the reaction mixture was stirred at room temperature for 1 hour. The mixture was diluted with saturated aqueous NaHCO₃ and extracted with CH₂Cl₂. The organic layer was dried over Na₂SO₄, filtered and concentrated. The crude residue was purified by flash chromatography (0-5% MeOH/ CH₂Cl₂) to give compound 17 (0.026 g, 18%). ¹H NMR (400 MHz, CHLOROFORM-D) δ ppm 8.45 (d, 1 H) 8.07 - 8.11 (m, 1 H) 7.39 - 7.53 (m, 5 H) 7.13 - 7.20 (m, 1 H) 7.05 (s, 1 H) 4.40 (d, 1 H) 4.19 (d, 1 H) 3.61 - 3.70 (m, 4 H) 2.48 - 2.65 (m, 6 H) 1.46 (d, 6 H)

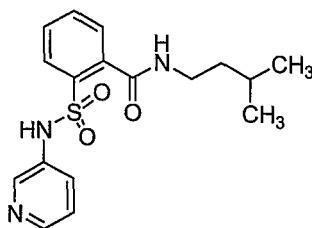
Example G: General method for BOC deprotection

To a solution of an appropriate BOC-protected amine (1 eq) in MeOH (0.1 M) is added DOWEX 50WX2-400 ion exchange resin (10 eq) and the mixture is heated to 40 °C for 3 hours. The mixture is then allowed to cool to room temperature and filtered. The resin is washed with 3 portions of MeOH. The product is then liberated from the resin by treatment with a solution of 20% NH₄OH/MeOH that is applied in 3 portions. The basic alcohol washes are concentrated *in vacuo* to provide the desired, deprotected amine.



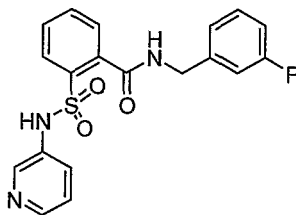
Example 42: N-(3-methylbutyl)-2-[(pyridin-3-ylamino)sulfonyl]benzamide

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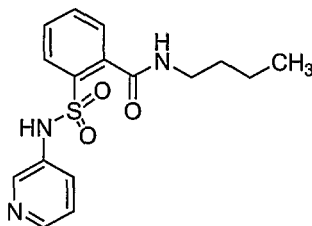
The title compound was prepared according to procedures described above, using methyl 2-[(pyridin-3-ylamino)sulfonyl]benzoate and 3-methylbutylamine. The title compound was further purified by dissolving 2.0 g in ethyl acetate (20 mL) and heating to reflux. When compound had fully dissolved the resultant solution was left to cool very slowly to room temperature. The resulting crystals were left to stand at RT for 30 min, after which time they were filtered using a funnel, washed with cold ethyl acetate (20 mL), and dried under high vacuum for 16 h to afford the title compound as a white crystalline solid (1.67g, 84%). ¹H NMR (400 MHz, CDCl₃) δ 8.64 (s, 1 H) 8.26 - 8.43 (m, 2 H) 7.60 - 7.68 (m, 2 H) 7.45 - 7.59 (m, 2 H) 7.39 (t, 1 H) 7.12 - 7.21 (m, 1 H) 6.08 - 6.17 (m, 1 H) 3.52 (q, 2 H) 1.67 - 1.79 (m, 1 H) 1.57 (q, 2 H) 0.98 (d, 6 H).

Example 43: N-(3-fluorobenzyl)-2-[(pyridin-3-ylamino)sulfonyl]benzamide



The title compound was prepared according to procedures described above, using methyl 2-[(pyridin-3-ylamino)sulfonyl]benzoate and 3-fluorobenzylamine. The title compound was further purified by dissolving 25 g in EtOH (300 mL) and gently heating using water bath to 80 °C. The resulting solids material were then slowly dissolved and more EtOH (50 mL) was added to completely dissolve all the solids. The solution left at room temperature to crystallize for 1 h. The resulting crystals were collected and dried under high vacuum for 16 h to afford the title compound as a crystalline solid (21 g, 84 %). ¹H NMR (400 MHz, DMSO-D₆) δ 9.76 (s, 1 H) 9.32 (t, 1 H) 8.31 (d, 1 H) 8.25 (d, 1 H) 7.66 - 7.78 (m, 2 H) 7.50 - 7.65 (m, 3 H) 7.39 (q, 1 H) 7.23 - 7.29 (m, 3 H) 7.09 (t, 1 H) 4.54 (d, 2 H).

Example 63: N-butyl-2-[(pyridin-3-ylamino)sulfonyl]benzamide



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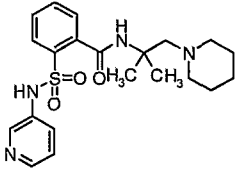
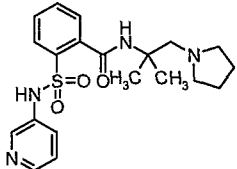
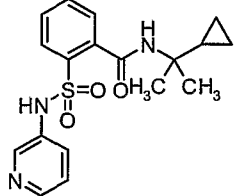
The title compound was prepared according to procedures described above, using methyl 2-[(pyridin-3-ylamino)sulfonyl]benzoate and n-butylamine. The title compound was further purified by dissolving 2.0g in ethyl acetate (10 mL). Hexane was then added dropwise to the solution until it became cloudy. A few drops of ethyl acetate were then added to obtain a clear solution. The resulting solution was left at rt for approximately 48 h. The resulting solids were collected, washed with 20% ethyl acetate/hexane (3x150 mL), and dried under high vacuum overnight at rt to afford the title compound as a crystalline solid (1.64 g, 82%). ¹H NMR (400 MHz, DMSO-D₆) δ 9.90 - 10.00 (m, 1 H) 8.73 (t, 1 H) 8.28 - 8.37 (m, 2 H) 7.71 - 7.76 (m, 1 H) 7.61 - 7.70 (m, 2 H) 7.49 - 7.57 (m, 2 H) 7.35 - 7.44 (m, 1 H) 3.25 (q, 2 H) 1.51-1.54 (m, 2 H) 1.29 - 1.40 (m, 2 H) 0.90 (t, 3 H).

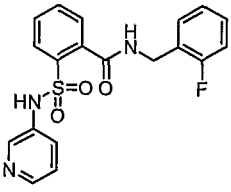
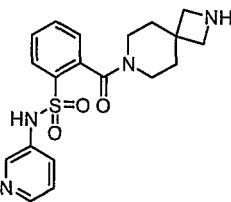
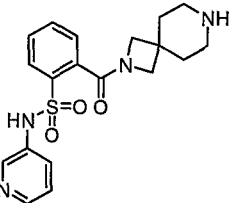
Examples 1 to 393:

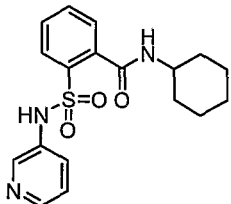
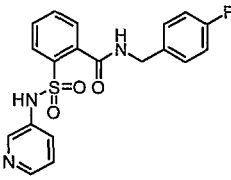
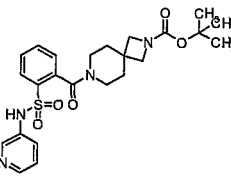
The following examples were prepared according to Example 2, using the appropriate compound of formulae 3 and 4 (as described in Schemes 1 and 2). Compounds of formula 3 were prepared as described above and compounds of formula 4 are commercially available or were prepared using methods known to those of ordinary skill in the art.

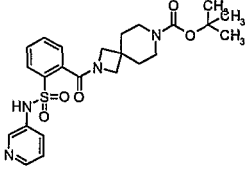
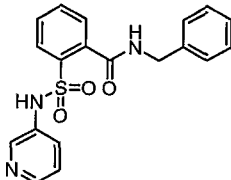
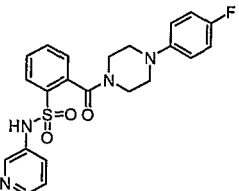
Example No.	Structure	Name	¹ H NMR
1		N-[1,1-dimethyl-2-(4-methylpiperidin-1-yl)ethyl]-2-[(pyridin-3-ylamino)sulfonyl]benzamide	(400 MHz, CHLOROFORM-D) δ ppm 8.33 - 8.38 (m, 1 H) 8.25 - 8.30 (m, 1 H) 7.72 (d, 1 H) 7.59 (d, 1 H) 7.52 (d, 2 H) 7.42 - 7.47 (m, 1 H) 7.32 - 7.40 (m, 1 H) 7.08 - 7.17 (m, 1 H) 2.95 - 3.05 (m, 2 H) 2.71 (s, 2 H) 2.33 (t, 2 H) 1.56 - 1.63 (m, 1 H) 1.54 (s, 6 H) 1.29 - 1.42 (m, 1 H) 1.14 - 1.27 (m, 3 H) 0.85 (d, 3 H)

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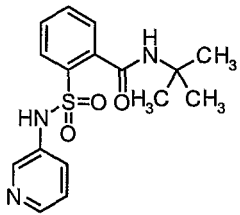
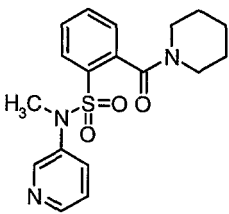
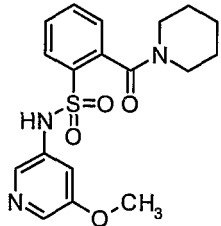
2		N-(1,1-dimethyl-2-piperidin-1-ylethyl)-2-[(pyridin-3-ylamino)sulfonyl]benzamide	(400 MHz, DMSO-D6) d ppm 8.53 - 8.64 (m, 1 H) 8.19 - 8.23 (m, 1 H) 8.07 - 8.14 (m, 1 H) 7.71 (d, 1 H) 7.60 (t, 1 H) 7.47 - 7.53 (m, 2 H) 7.41 - 7.47 (m, 1 H) 7.15 - 7.22 (m, 1 H) 2.90 - 2.97 (m, 2 H) 2.70 - 2.80 (m, 4 H) 1.53 - 1.63 (m, 4 H) 1.41 (s, 8 H)
3		N-(1,1-dimethyl-2-pyrrolidin-1-ylethyl)-2-[(pyridin-3-ylamino)sulfonyl]benzamide	(400 MHz, DMSO-D6) d ppm 8.35 - 8.43 (m, 1 H) 8.11 - 8.16 (m, 1 H) 7.92 - 7.99 (m, 1 H) 7.74 (d, 1 H) 7.46 - 7.53 (m, 1 H) 7.39 - 7.45 (m, 2 H) 7.31 - 7.37 (m, 1 H) 7.02 - 7.10 (m, 1 H) 3.51 - 3.57 (m, 2 H) 3.16 - 3.24 (m, 4 H) 1.79 - 1.86 (m, 4 H) 1.45 (s, 6 H)
4		N-(1-cyclopropyl-1-methylethyl)-2-[(pyridin-3-ylamino)sulfonyl]benzamide	(400 MHz, CHLOROFORM-D) d ppm 8.55 - 8.63 (m, 1 H) 8.30 - 8.42 (m, 2 H) 7.57 - 7.71 (m, 2 H) 7.46 - 7.57 (m, 2 H) 7.31 - 7.43 (m, 1 H) 7.08 - 7.20 (m, 1 H) 6.08 (s, 1 H) 1.42 (s, 6 H) 1.26 - 1.38 (m, 1 H) 0.43 - 0.56 (m, 4 H)

5		N-(2-fluorobenzyl)-2-[(pyridin-3-ylamino)sulfonyl]benzamide	(400 MHz, DMSO-D6) d ppm 9.74 (s, 1 H) 9.24 - 9.39 (m, 1 H) 8.24 (d, 2 H) 7.63 - 7.80 (m, 2 H) 7.46 - 7.65 (m, 4 H) 7.21 - 7.36 (m, 2 H) 7.14 - 7.22 (m, 2 H) 4.54 (d, 2 H)
6		2-(2,7-diazaspiro[3.5]non-7-ylcarbonyl)-N-pyridin-3-ylbenzenesulfonamide	(400 MHz, DMSO-D6) d ppm 8.01 (s, 1 H) 7.61 - 7.77 (m, 2 H) 7.28 - 7.46 (m, 2 H) 7.05 - 7.23 (m, 2 H) 6.84 - 6.93 (m, 1 H) 3.57 - 3.81 (m, 5 H) 3.39 - 3.46 (m, 1 H) 2.93 - 3.03 (m, 2 H) 1.77 - 1.93 (m, 2 H) 1.63 - 1.77 (m, 1 H) 1.41 - 1.57 (m, 1 H)
7		2-(2,7-diazaspiro[3.5]non-2-ylcarbonyl)-N-pyridin-3-ylbenzenesulfonamide	(400 MHz, DMSO-D6) d ppm 8.03 (s, 1 H) 7.70 - 7.85 (m, 2 H) 7.36 - 7.49 (m, 2 H) 7.17 - 7.27 (m, 2 H) 6.90 - 6.99 (m, 1 H) 3.72 (s, 2 H) 3.56 (s, 2 H) 2.86 - 2.99 (m, 2 H) 2.71 - 2.84 (m, 2 H) 1.68 - 1.86 (m, 4 H)

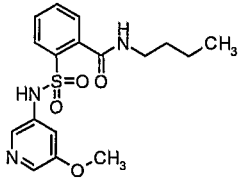
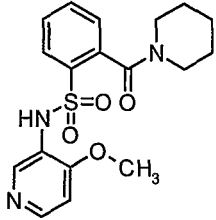
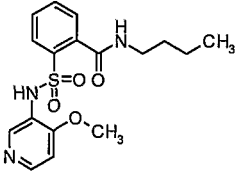
8		N-cyclohexyl-2-[(pyridin-3-ylamino)sulfonyl]benzamide	(400 MHz, DMSO-D6) d ppm 9.67 (s, 1 H) 8.62 - 8.79 (m, 1 H) 8.18 - 8.36 (m, 2 H) 7.57 - 7.79 (m, 2 H) 7.42 - 7.57 (m, 3 H) 7.18 - 7.36 (m, 1 H) 3.71 - 3.91 (m, 1 H) 1.85 - 1.97 (m, 2 H) 1.69 - 1.84 (m, 2 H) 1.51 - 1.64 (m, 1 H) 1.22 - 1.39 (m, 4 H) 1.03 - 1.20 (m, 1 H)
9		N-(4-fluorobenzyl)-2-[(pyridin-3-ylamino)sulfonyl]benzamide	(400 MHz, DMSO-D6) d ppm 9.75 (s, 1 H) 9.24 - 9.37 (m, 1 H) 8.26 (d, 2 H) 7.64 - 7.78 (m, 2 H) 7.50 - 7.64 (m, 3 H) 7.40 - 7.49 (m, 2 H) 7.23 - 7.32 (m, 1 H) 7.11 - 7.21 (m, 2 H) 4.50 (d, 2 H)
10		tert-butyl 7-[2-[(pyridin-3-ylamino)sulfonyl]benzoyl]-2,7-diazaspiro[3.5]nonane-2-carboxylate	(400 MHz, DMSO-D6) d ppm 10.16 (s, 1 H) 8.24 - 8.29 (m, 1 H) 8.18 - 8.23 (m, 1 H) 7.79 (d, 1 H) 7.64 (t, 1 H) 7.50 - 7.58 (m, 1 H) 7.43 - 7.50 (m, 1 H) 7.33 - 7.42 (m, 1 H) 7.18 - 7.28 (m, 1 H) 3.48 - 3.66 (m, 6 H) 2.88 - 3.02 (m, 2 H) 1.69 - 1.77 (m, 2 H) 1.48 - 1.65 (m, 2 H) 1.36 (s, 9 H)

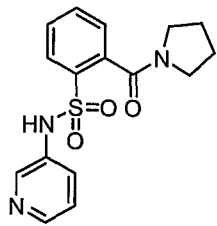
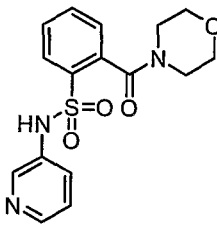
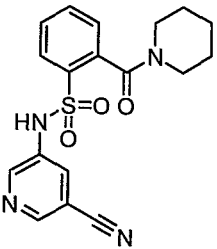
11		tert-butyl 2-{2-[(pyridin-3-ylamino)sulfonyl]benzoyl}-2,7-diazaspiro[3.5]nonane-7-carboxylate	(400 MHz, DMSO-D6) d ppm 8.28 - 8.32 (m, 1 H) 8.23 (d, 1 H) 7.81 (d, 1 H) 7.66 (t, 1 H) 7.54 - 7.61 (m, 1 H) 7.46 - 7.52 (m, 2 H) 7.23 - 7.30 (m, 1 H) 3.77 (s, 2 H) 3.46 (s, 2 H) 3.25 - 3.31 (m, 2 H) 3.07 - 3.18 (m, 2 H) 1.56 - 1.64 (m, 4 H) 1.38 (s, 9 H)
12		N-benzyl-2-[(pyridin-3-ylamino)sulfonyl]benzamide	(400 MHz, DMSO-D6) d ppm 9.75 (s, 1 H) 9.26 - 9.37 (m, 1 H) 8.22 - 8.34 (m, 2 H) 7.65 - 7.79 (m, 2 H) 7.49 - 7.65 (m, 3 H) 7.40 - 7.48 (m, 2 H) 7.32 - 7.39 (m, 2 H) 7.23 - 7.33 (m, 2 H) 4.54 (d, 2 H)
13		2-[[4-(4-fluorophenyl)piperazin-1-yl]carbonyl]-N-pyridin-3-ylbenzenesulfonamide	(400 MHz, DMSO-D6) d ppm 10.27 (s, 1 H) 8.18 - 8.32 (m, 2 H) 7.81 - 7.91 (m, 1 H) 7.65 - 7.75 (m, 1 H) 7.54 - 7.62 (m, 1 H) 7.41 - 7.55 (m, 2 H) 7.22 - 7.31 (m, 1 H) 7.01 - 7.10 (m, 2 H) 6.90 - 7.00 (m, 2 H) 3.66 - 3.88 (m, 2 H) 2.92 - 3.25 (m, 6 H)

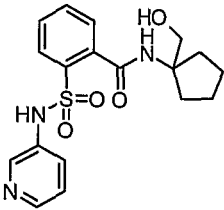
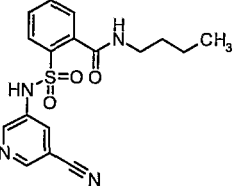
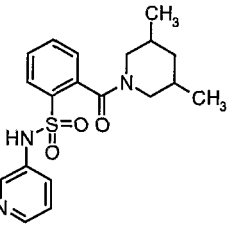
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14		N-(tert-butyl)-2-[(pyridin-3-ylamino)sulfonyl]benzamide	(400 MHz, DMSO-D6) d ppm 9.56 (s, 1 H) 8.33 - 8.40 (m, 1 H) 8.22 - 8.30 (m, 2 H) 7.58 - 7.68 (m, 2 H) 7.44 - 7.55 (m, 3 H) 7.20 - 7.32 (m, 1 H) 1.39 (s, 9 H)
15		N-methyl-2-(piperidin-1-ylcarbonyl)-N-pyridin-3-ylbenzenesulfonamide	(400 MHz, CHLOROFORM-D) d ppm 8.46 - 8.55 (m, 2 H) 7.50 - 7.69 (m, 2 H) 7.29 - 7.41 (m, 3 H) 7.20 - 7.27 (m, 1 H) 3.80 - 3.96 (m, 1 H) 3.45 - 3.58 (m, 1 H) 3.29 (s, 3 H) 3.02 - 3.18 (m, 2 H) 1.52 - 1.70 (m, 5 H) 1.29 - 1.43 (m, 1 H)
16		N-(5-methoxypyridin-3-yl)-2-(piperidin-1-ylcarbonyl)benzenesulfonamide	(400 MHz, DMSO-D6) d ppm 8.09 (d, 1 H) 7.99 (d, 1 H) 7.88 (d, 1 H) 7.68 (t, 1 H) 7.58 (t, 1 H) 7.39 (d, 1 H) 7.28 - 7.32 (m, 1 H) 3.80 (s, 3 H) 3.62 - 3.70 (m, 1 H) 3.42 - 3.56 (m, 1 H) 2.93 - 3.08 (m, 2 H) 1.41 - 1.66 (m, 5 H) 1.29 - 1.41 (m, 1 H)

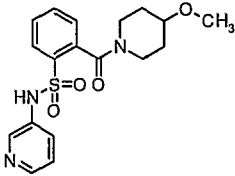
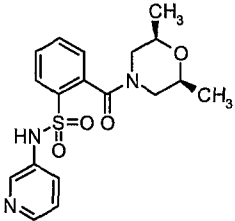
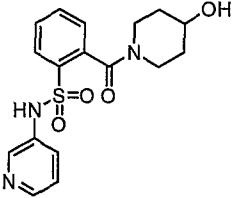
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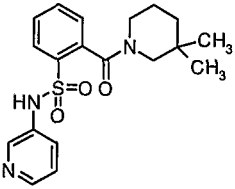
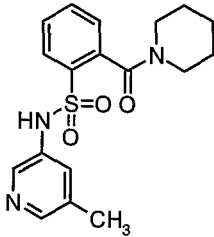
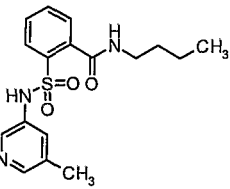
17		N-butyl-2-((5-methoxypyridin-3-yl)amino)sulfonylbenzamide	(400 MHz, DMSO-D6) d ppm 10.16 - 10.37 (m, 1 H) 8.65 - 8.77 (m, 1 H) 8.12 (d, 1 H) 7.98 - 8.04 (m, 1 H) 7.83 (d, 1 H) 7.69 (t, 1 H) 7.59 (t, 1 H) 7.50 (d, 1 H) 7.30 - 7.35 (m, 1 H) 3.80 (s, 3 H) 3.24 (q, 2 H) 1.46 - 1.57 (m, 2 H) 1.29 - 1.42 (m, 2 H) 0.90 (t, 3 H)
18		N-(4-methoxypyridin-3-yl)-2-(piperidin-1-ylcarbonyl)benzenesulfonamide	(400 MHz, DMSO-D6) d ppm 9.07 - 9.23 (m, 1 H) 8.19 - 8.29 (m, 2 H) 7.71 - 7.77 (m, 1 H) 7.63 - 7.71 (m, 1 H) 7.50 - 7.59 (m, 1 H) 7.41 (d, 1 H) 6.99 (d, 1 H) 3.57 - 3.67 (m, 2 H) 3.54 (s, 3 H) 2.88 - 3.10 (m, 2 H) 1.26 - 1.65 (m, 6 H)
19		N-butyl-2-((4-methoxypyridin-3-yl)amino)sulfonylbenzamide	(400 MHz, DMSO-D6) d ppm 8.84 (t, 1 H) 8.67 (s, 1 H) 8.60 (d, 1 H) 7.82 (d, 1 H) 7.69 - 7.78 (m, 1 H) 7.56 - 7.65 (m, 2 H) 7.50 (d, 1 H) 3.80 (s, 3 H) 3.23 (q, 2 H) 1.46 - 1.57 (m, 2 H) 1.28 - 1.42 (m, 2 H) 0.90 (t, 3 H)

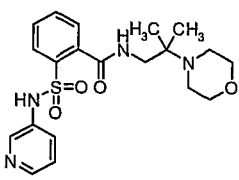
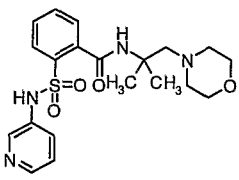
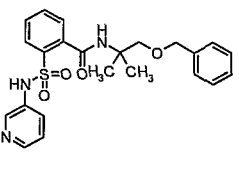
20		N-pyridin-3-yl-2-(pyrrolidin-1-ylcarbonyl)benzenesulfonamide	(400 MHz, DMSO-D6) d ppm 10.10 (s, 1 H) 8.31 (d, 1 H) 8.24 (d, 1 H) 7.77 - 7.84 (m, 1 H) 7.64 - 7.72 (m, 1 H) 7.52 - 7.60 (m, 1 H) 7.41 - 7.53 (m, 2 H) 7.21 - 7.31 (m, 1 H) 3.43 - 3.52 (m, 2 H) 2.88 - 3.01 (m, 2 H) 1.82 - 1.88 (m, 2 H) 1.66 - 1.81 (m, 2 H)
21		2-(morpholin-4-ylcarbonyl)-N-pyridin-3-ylbenzenesulfonamide	
22		N-(5-cyanopyridin-3-yl)-2-(piperidin-1-ylcarbonyl)benzenesulfonamide	(400 MHz, DMSO-D6) d ppm 10.56 - 11.12 (m, 1 H) 8.65 (d, 1 H) 8.52 (d, 1 H) 7.86-8.00 (m, 2H) 7.69 (t, 1 H) 7.58 (t, 1 H) 7.40 (d, 1 H) 3.61 - 3.70 (m, 1 H) 3.48 - 3.57 (m, 1 H) 2.95 - 3.09 (m, 2 H) 1.31 - 1.64 (m, 6 H)

23		N-[1-(hydroxymethyl)cyclopentyl]-2-[(pyridin-3-ylamino)sulfonyl]benzamide	(400 MHz, DMSO-D6) d ppm 9.52 - 10.02 (m, 1 H) 8.18 - 8.38 (m, 3 H) 7.61 - 7.72 (m, 2 H) 7.41 - 7.62 (m, 3 H) 7.16 - 7.37 (m, 1 H) 3.70 (s, 2 H) 1.98 - 2.11 (m, 2 H) 1.62 - 1.78 (m, 4 H) 1.45 - 1.61 (m, 2 H)
24		N-butyl-2-[(5-cyanopyridin-3-yl)amino]sulfonylbenzamide	(400 MHz, DMSO-D6) d ppm 10.33 - 10.49 (m, 1 H) 8.72 (t, 1 H) 8.65 - 8.68 (m, 1 H) 8.52 (d, 1 H) 7.91 - 7.95 (m, 1 H) 7.85 (d, 1 H) 7.69 (t, 1 H) 7.59 (t, 1 H) 7.47 - 7.54 (m, 1 H) 3.23 (q, 2 H) 1.44 - 1.59 (m, 2 H) 1.29 - 1.43 (m, 2 H) 0.90 (t, 3 H)
25		2-[(3,5-dimethylpiperidin-1-yl)carbonyl]-N-pyridin-3-ylbenzenesulfonamide	(400 MHz, DMSO-D6) d ppm 8.11 - 8.21 (m, 1 H) 7.98 - 8.08 (m, 1 H) 7.77 (dd, 1 H) 7.51 - 7.60 (m, 1 H) 7.41 - 7.51 (m, 1 H) 7.32 - 7.41 (m, 1 H) 7.24 - 7.31 (m, 1 H) 7.05 - 7.15 (m, 1 H) 4.38 - 4.57 (m, 1 H) 3.07 - 3.18 (m, 1 H) 2.86 - 2.97 (m, 1 H) 1.85 - 1.96 (m, 1 H) 1.66 - 1.79 (m, 1 H) 0.93 - 0.95 (m, 1 H) 0.87 - 0.93 (m, 3 H) 0.80 - 0.87 (m, 1 H) 0.72 - 0.79 (m, 1 H) 0.55 - 0.65 (m, 3 H)

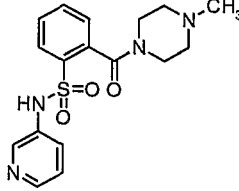
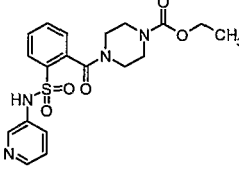
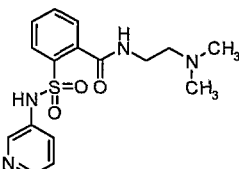
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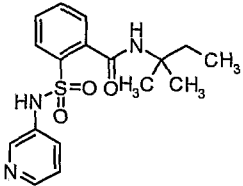
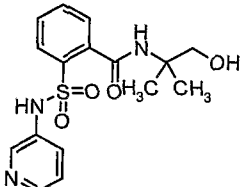
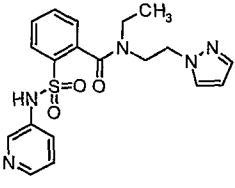
26		2-[(4-methoxypiperidin-1-yl)carbonyl]-N-pyridin-3-ylbenzenesulfonamide	
27		2-[[[(2R,6S)-2,6-dimethylmorpholin-4-yl]carbonyl]-N-pyridin-3-ylbenzenesulfonamide	
28		2-[(4-hydroxypiperidin-1-yl)carbonyl]-N-pyridin-3-ylbenzenesulfonamide	(400 MHz, DMSO-D6) d ppm 10.13-10.16 (m, 1H) 8.27 - 8.34 (m, 1 H) 8.21 (d, 1 H) 7.73 - 7.84 (m, 1 H) 7.63 - 7.71 (m, 1 H) 7.42 - 7.60 (m, 2 H) 7.34 - 7.44 (m, 1 H) 7.22 - 7.28 (m, 1 H) 4.78 (dd, 1 H) 3.86 - 4.08 (m, 1 H) 3.67 - 3.78 (m, 1 H) 3.09 - 3.25 (m, 1 H) 2.82 - 2.98 (m, 1 H) 1.71 - 1.88 (m, 1 H) 1.51 - 1.68 (m, 1 H) 1.34 - 1.50 (m, 2 H) 1.19 - 1.31 (m, 1 H)

29		2-[(3,3-dimethylpiperidin-1-yl)carbonyl]-N-pyridin-3-ylbenzenesulfonamide	(400 MHz, DMSO-D6) d ppm 10.06 - 10.26 (m, 1 H) 8.28 (s, 1 H) 8.13 - 8.25 (m, 1 H) 7.75 - 7.86 (m, 1 H) 7.61 - 7.71 (m, 1 H) 7.51 - 7.60 (m, 1 H) 7.43 - 7.51 (m, 1 H) 7.26 - 7.43 (m, 1 H) 7.18 - 7.29 (m, 1 H) 3.46 - 3.58 (m, 1 H) 3.07 - 3.19 (m, 1 H) 2.79 - 3.02 (m, 2 H) 1.51 - 1.64 (m, 1 H) 1.32 - 1.48 (m, 3 H) 0.93 - 1.03 (m, 4 H) 0.76 - 0.83 (m, 1 H) 0.62 - 0.72 (m, 1 H)
30		N-(5-methylpyridin-3-yl)-2-(piperidin-1-yl)benzenesulfonamide	(400 MHz, CHLOROFORM-D) d ppm 8.06 - 8.14 (m, 2 H) 7.95 - 8.05 (m, 1 H) 7.41 - 7.58 (m, 2 H) 7.24 - 7.35 (m, 3 H) 3.82 - 3.95 (m, 1 H) 3.45 - 3.57 (m, 2 H) 2.17 (s, 3 H) 1.37 - 1.80 (m, 7 H)
31		N-butyl-2-[[[(5-methylpyridin-3-yl)amino]sulfonyl]benzamide	(400 MHz, CHLOROFORM-D) d ppm 8.49 - 8.78 (m, 1 H) 8.04 - 8.15 (m, 2 H) 7.44 - 7.59 (m, 3 H) 7.28 - 7.41 (m, 2 H) 6.68 - 6.80 (m, 1 H) 3.46 (q, 2 H) 2.21 (s, 3 H) 1.57 - 1.70 (m, 2 H) 1.34 - 1.50 (m, 2 H) 0.98 (t, 3 H)

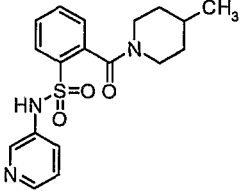
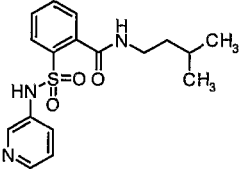
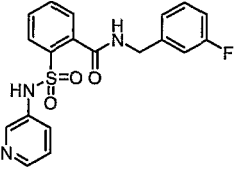
32		N-(2-methyl-2-morpholin-4-ylpropyl)-2-[(pyridin-3-ylamino)sulfonyl]benzamide	(400 MHz, DMSO-D6) d ppm 8.45 - 8.57 (m, 1 H) 8.17 - 8.30 (m, 2 H) 7.64 - 7.75 (m, 2 H) 7.45 - 7.60 (m, 3 H) 7.19 - 7.29 (m, 1 H) 3.54 - 3.60 (m, 4 H) 3.34 - 3.37 (m, 2 H) 2.54 - 2.62 (m, 4 H) 1.06 (s, 6 H)
33		N-(1,1-dimethyl-2-morpholin-4-ylethyl)-2-[(pyridin-3-ylamino)sulfonyl]benzamide	(400 MHz, CHLOROFORM-D) d ppm 8.26 - 8.34 (m, 2 H) 7.53 - 7.63 (m, 2 H) 7.43 - 7.52 (m, 2 H) 7.29 - 7.37 (m, 1 H) 7.09 - 7.16 (m, 1 H) 6.86 (s, 1 H) 3.59 - 3.63 (m, 4 H) 2.61 - 2.63 (m, 2 H) 2.56 - 2.61 (m, 4 H) 1.47 (s, 6 H)
34		N-[2-(benzyloxy)-1,1-dimethylethyl]-2-[(pyridin-3-ylamino)sulfonyl]benzamide	(400 MHz, DMSO-D6) d ppm 8.22 - 8.27 (m, 1 H) 8.18 - 8.23 (m, 1 H) 7.93 - 7.96 (m, 1 H) 7.84 - 7.89 (m, 1 H) 7.59 - 7.65 (m, 2 H) 7.42 - 7.50 (m, 2 H) 7.34 - 7.42 (m, 6 H) 5.59 (s, 2 H) 3.57 (d, 2 H) 1.24 (s, 6 H)

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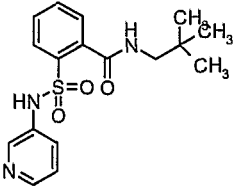
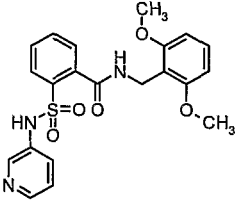
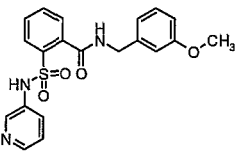
35		2-[(4-methylpiperazin-1-yl)carbonyl]-N-pyridin-3-ylbenzenesulfonamide	(400 MHz, DMSO-D6) d ppm 10.15 - 10.31 (m, 1 H) 8.26 - 8.30 (m, 1 H) 8.19 - 8.24 (m, 1 H) 7.81 (d, 1 H) 7.66 (t, 1 H) 7.56 (t, 1 H) 7.46 - 7.51 (m, 1 H) 7.37 - 7.41 (m, 1 H) 7.20 - 7.28 (m, 1 H) 3.66 - 3.74 (m, 1 H) 3.48 - 3.59 (m, 1 H) 2.86 - 3.07 (m, 2 H) 2.40 - 2.46 (m, 1 H) 2.24 - 2.36 (m, 2 H) 2.19 (s, 3 H) 2.09 - 2.15 (m, 1 H)
36		ethyl 4-{2-[(pyridin-3-ylamino)sulfonyl]benzoyl}piperazine-1-carboxylate	(400 MHz, CHLOROFORM-D) d ppm 8.29 - 8.37 (m, 2 H) 7.51 - 7.63 (m, 3 H) 7.29 - 7.38 (m, 2 H) 7.09 - 7.18 (m, 1 H) 4.17 - 4.25 (m, 1 H) 4.11 (q, 2 H) 3.74 - 3.85 (m, 1 H) 3.53 - 3.69 (m, 1 H) 3.24 - 3.50 (m, 5 H) 1.21 - 1.30 (m, 3 H)
37		N-[2-(dimethylamino)ethyl]-2-[(pyridin-3-ylamino)sulfonyl]benzamide	(400 MHz, CHLOROFORM-D) d ppm 8.37 - 8.41 (m, 1 H) 8.21 - 8.26 (m, 1 H) 7.86 - 7.92 (m, 1 H) 7.60 - 7.65 (m, 1 H) 7.35 - 7.54 (m, 4 H) 7.02 - 7.11 (m, 1 H) 3.62 - 3.72 (m, 2 H) 2.81 (t, 2 H) 2.38 (s, 6 H)

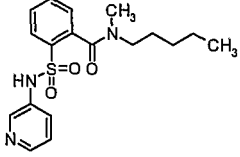
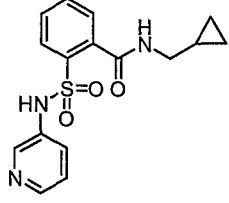
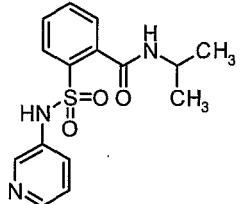
38		N-(1,1-dimethylpropyl)-2-[(pyridin-3-ylamino)sulfonyl]benzamide	(400 MHz, CHLOROFORM-D) d ppm 8.54 - 8.65 (m, 1 H) 8.26 - 8.36 (m, 2 H) 7.55 - 7.63 (m, 2 H) 7.46 - 7.56 (m, 2 H) 7.30 - 7.39 (m, 1 H) 7.08 - 7.20 (m, 1 H) 1.88 (q, 2 H) 1.46 (s, 6 H) 0.99 (t, 3 H)
39		N-(2-hydroxy-1,1-dimethylethyl)-2-[(pyridin-3-ylamino)sulfonyl]benzamide	(400 MHz, DMSO-D6) d ppm 9.69 - 9.86 (m, 1 H) 8.19 - 8.32 (m, 2 H) 8.05 - 8.12 (m, 1 H) 7.60 - 7.74 (m, 2 H) 7.49-7.53 (m, 3 H) 7.20 - 7.34 (m, 1 H) 4.70 - 5.05 (m, 1 H) 3.58 (s, 2 H) 1.31 (s, 6 H)
40		N-ethyl-N-[2-(1H-pyrazol-1-yl)ethyl]-2-[(pyridin-3-ylamino)sulfonyl]benzamide	(400 MHz, CHLOROFORM-D) d ppm 8.29 - 8.36 (m, 2 H) 8.08 - 8.22 (m, 1 H) 7.60 - 7.65 (m, 1 H) 7.47 - 7.60 (m, 4 H) 7.28 - 7.37 (m, 2 H) 7.09 - 7.18 (m, 1 H) 6.22 (t, 1 H) 4.53 (t, 2 H) 3.87 - 4.04 (m, 2 H) 2.86 - 2.98 (m, 1 H) 2.55 - 2.70 (m, 1 H) 0.93 (t, 3 H)

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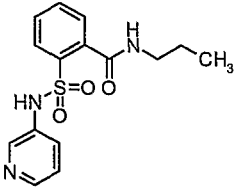
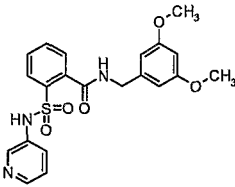
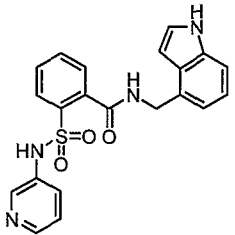
41		2-[(4-methylpiperidin-1-yl)carbonyl]-N-pyridin-3-ylbenzenesulfonamide	(400 MHz, CHLOROFORM-D) d ppm 8.27 - 8.36 (m, 2 H) 7.44 - 7.63 (m, 3 H) 7.27 - 7.37 (m, 2 H) 7.04 - 7.19 (m, 1 H) 4.47 - 4.79 (m, 1 H) 3.37 - 3.59 (m, 1 H) 2.69 - 3.16 (m, 2 H) 1.78 - 1.97 (m, 1 H) 1.55 - 1.78 (m, 2 H) 1.32 - 1.51 (m, 1 H) 1.04 - 1.30 (m, 1 H) 0.88 - 1.03 (m, 3 H)
42		N-(3-methylbutyl)-2-[(pyridin-3-ylamino)sulfonyl]benzamide	(400 MHz, CHLOROFORM-D) d ppm 8.64 (s, 1 H) 8.26 - 8.43 (m, 2 H) 7.60 - 7.68 (m, 2 H) 7.45 - 7.59 (m, 2 H) 7.39 (t, 1 H) 7.12 - 7.21 (m, 1 H) 6.08 - 6.17 (m, 1 H) 3.52 (q, 2 H) 1.67 - 1.79 (m, 1 H) 1.57 (q, 2 H) 0.98 (d, 6 H)
43		N-(3-fluorobenzyl)-2-[(pyridin-3-ylamino)sulfonyl]benzamide	(400 MHz, DMSO-D6) d ppm 9.76 (s, 1 H) 9.32 (t, 1 H) 8.31 (d, 1 H) 8.25 (d, 1 H) 7.66 - 7.78 (m, 2 H) 7.50 - 7.65 (m, 3 H) 7.39 (q, 1 H) 7.23 - 7.29 (m, 3 H) 7.09 (t, 1 H) 4.54 (d, 2 H)

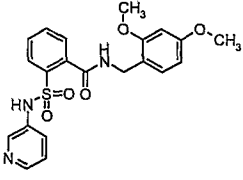
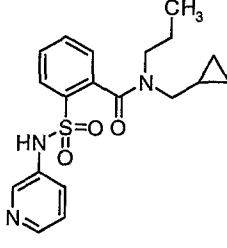
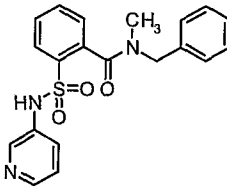
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44		N-(2,2-dimethylpropyl)-2-[(pyridin-3-ylamino)sulfonyl]benzamide	(400 MHz, DMSO-D6) d ppm 9.68 (s, 1 H) 8.72 - 8.83 (m, 1 H) 8.22 - 8.33 (m, 2 H) 7.63 - 7.74 (m, 2 H) 7.46 - 7.61 (m, 3 H) 7.24 - 7.32 (m, 1 H) 3.14 (d, 2 H) 0.96 (s, 9 H)
45		N-(2,6-dimethoxybenzyl)-2-[(pyridin-3-ylamino)sulfonyl]benzamide	(400 MHz, DMSO-D6) d ppm 9.69 (s, 1 H) 8.59 - 8.73 (m, 1 H) 8.21 - 8.36 (m, 2 H) 7.57 - 7.70 (m, 2 H) 7.45 - 7.56 (m, 2 H) 7.37 - 7.45 (m, 1 H) 7.22 - 7.33 (m, 2 H) 6.68 (d, 2 H) 4.50 (d, 2 H) 3.79 (s, 6 H)
46		N-(3-methoxybenzyl)-2-[(pyridin-3-ylamino)sulfonyl]benzamide	(400 MHz, DMSO-D6) d ppm 9.71 - 9.83 (m, 1 H) 9.18 - 9.44 (m, 1 H) 8.16 - 8.39 (m, 2 H) 7.64 - 7.81 (m, 2 H) 7.45 - 7.63 (m, 3 H) 7.20 - 7.31 (m, 2 H) 6.92 - 7.11 (m, 2 H) 6.73 - 6.89 (m, 1 H) 4.49 (d, 2 H) 3.74 (s, 3 H)

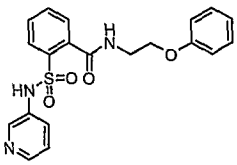
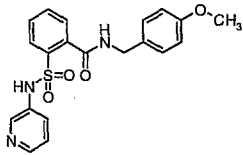
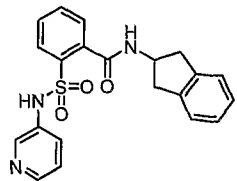
47		N-methyl-N-pentyl-2-[(pyridin-3-ylamino)sulfonyl]benzamide	
48		N-(cyclopropylmethyl)-2-[(pyridin-3-ylamino)sulfonyl]benzamide	(400 MHz, DMSO-D6) d ppm 9.70 (s, 1 H) 8.83 - 8.94 (m, 1 H) 8.20 - 8.32 (m, 2 H) 7.62 - 7.75 (m, 2 H) 7.47 - 7.59 (m, 3 H) 7.20 - 7.33 (m, 1 H) 3.18 (d, 2 H) 0.98 - 1.10 (m, 1 H) 0.41 - 0.48 (m, 2 H) 0.23 - 0.31 (m, 2 H)
49		N-isopropyl-2-[(pyridin-3-ylamino)sulfonyl]benzamide	(400 MHz, DMSO-D6) d ppm 9.71 (s, 1 H) 8.61 - 8.81 (m, 1 H) 8.13 - 8.39 (m, 2 H) 7.60 - 7.77 (m, 2 H) 7.43 - 7.61 (m, 3 H) 7.19 - 7.36 (m, 1 H) 3.95-4.20 (m, 1 H) 1.19 (s, 6 H)

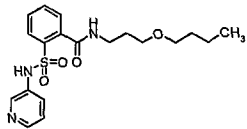
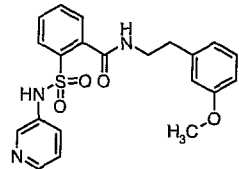
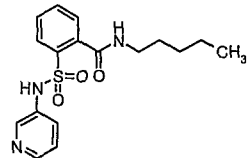
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50		N-propyl-2-[(pyridin-3-ylamino)sulfonyl]benzamide	
51		N-(3,5-dimethoxybenzyl)-2-[(pyridin-3-ylamino)sulfonyl]benzamide	(400 MHz, DMSO-D6) d ppm 7.83 - 7.96 (m, 2 H) 7.63 - 7.74 (m, 2 H) 7.39 - 7.50 (m, 2 H) 7.12 - 7.24 (m, 1 H) 6.83 - 6.96 (m, 1 H) 6.63 - 6.72 (m, 2 H) 6.49 - 6.63 (m, 1 H) 6.26 - 6.43 (m, 1 H) 4.43 (d, 2 H) 3.72 (s, 6 H)
52		N-(1H-indol-4-ylmethyl)-2-[(pyridin-3-ylamino)sulfonyl]benzamide	(400 MHz, DMSO-D6) d ppm 11.15 (s, 1 H) 9.61 - 9.84 (m, 1 H) 9.13 - 9.44 (m, 1 H) 8.16 - 8.44 (m, 2 H) 7.63 - 7.86 (m, 2 H) 7.46 - 7.63 (m, 3 H) 7.27 - 7.42 (m, 3 H) 6.99 - 7.13 (m, 2 H) 6.65 (s, 1 H) 4.75 (d, 2 H)

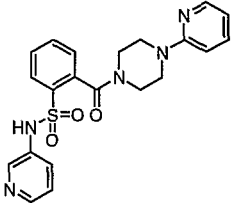
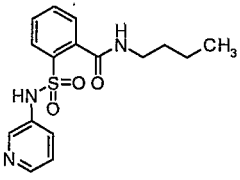
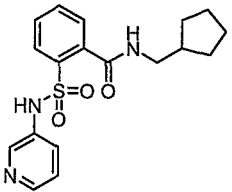
53		N-(2,4-dimethoxybenzyl)-2-[(pyridin-3-ylamino)sulfonyl]benzamide	(400 MHz, DMSO-D6) d ppm 9.72 (s, 1 H) 9.01 - 9.15 (m, 1 H) 8.22 - 8.36 (m, 2 H) 7.64 - 7.78 (m, 2 H) 7.45 - 7.61 (m, 3 H) 7.17 - 7.35 (m, 2 H) 6.55 (s, 1 H) 6.45 - 6.54 (m, 1 H) 4.40 (d, 2 H) 3.80 (s, 3 H) 3.74 (s, 3 H)
54		N-(cyclopropylmethyl)-N-propyl-2-[(pyridin-3-ylamino)sulfonyl]benzamide	
55		N-benzyl-N-methyl-2-[(pyridin-3-ylamino)sulfonyl]benzamide	

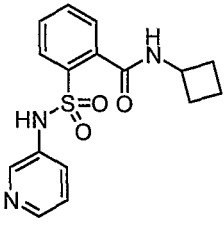
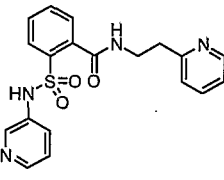
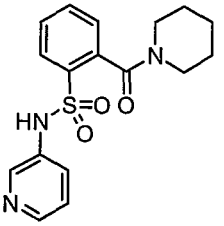
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56		N-(2-phenoxyethyl)-2- [(pyridin-3-ylamino)sulfonyl]benzamide	(400 MHz, DMSO-D6) d ppm 9.72 (s, 1 H) 8.93 - 9.07 (m, 1 H) 8.15 - 8.34 (m, 2 H) 7.59 - 7.81 (m, 2 H) 7.44 - 7.60 (m, 3 H) 7.19 - 7.35 (m, 3 H) 6.83 - 7.05 (m, 3 H) 4.09 (t, 2 H) 3.66 (q, 2 H)
57		N-(4-methoxybenzyl)-2- [(pyridin-3-ylamino)sulfonyl]benzamide	(400 MHz, DMSO-D6) d ppm 9.75 (s, 1 H) 9.24 (t, 1 H) 8.32 (d, 1 H) 8.26 (d, 1 H) 7.64 - 7.76 (m, 2 H) 7.52 - 7.59 (m, 3 H) 7.25 - 7.36 (m, 3 H) 6.90 (d, 2 H) 4.46 (d, 2 H) 3.73 (s, 3 H)
58		N-(2,3-dihydro-1H-inden-2-yl)-2- [(pyridin-3-ylamino)sulfonyl]benzamide	(400 MHz, DMSO-D6) d ppm 9.72 (s, 1 H) 9.00 - 9.13 (m, 1 H) 8.22 - 8.37 (m, 2 H) 7.60 - 7.75 (m, 2 H) 7.47 - 7.58 (m, 3 H) 7.19 - 7.29 (m, 3 H) 7.11 - 7.18 (m, 2 H) 4.60 - 4.75 (m, 1 H) 3.26 (t, 2 H) 2.99 (dd, 2 H)

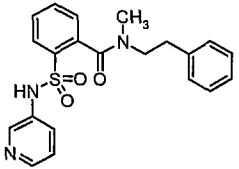
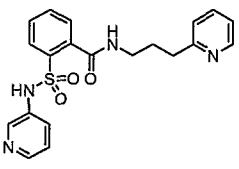
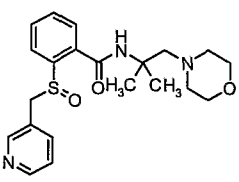
59		N-(3-butoxypropyl)-2-[(pyridin-3-ylamino)sulfonyl]benzamide	(400 MHz, CHLOROFORM-D) d ppm 8.74 - 8.93 (m, 1 H) 8.25 - 8.37 (m, 2 H) 7.57 - 7.69 (m, 2 H) 7.48 - 7.54 (m, 2 H) 7.31 - 7.40 (m, 1 H) 7.19 - 7.25 (m, 1 H) 7.09 - 7.18 (m, 1 H) 3.56 - 3.66 (m, 4 H) 3.40 (t, 2 H) 1.87 - 1.98 (m, 2 H) 1.36 - 1.47 (m, 2 H) 1.11 - 1.29 (m, 2 H) 0.77 (t, 3 H)
60		N-[2-(3-methoxyphenyl)ethyl]-2-[(pyridin-3-ylamino)sulfonyl]benzamide	(400 MHz, DMSO-D6) d ppm 9.75 (s, 1 H) 8.87 (t, 1 H) 8.31 (d, 1 H) 8.25 (d, 1 H) 7.62 - 7.73 (m, 2 H) 7.49 - 7.58 (m, 2 H) 7.40 - 7.48 (m, 1 H) 7.16 - 7.31 (m, 2 H) 6.81 - 6.91 (m, 2 H) 6.74 - 6.81 (m, 1 H) 3.74 (s, 3 H) 3.50 (q, 2 H) 2.84 (t, 2 H)
61		N-pentyl-2-[(pyridin-3-ylamino)sulfonyl]benzamide	

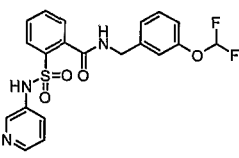
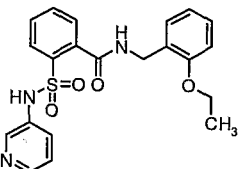
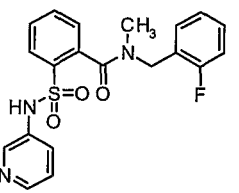
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62		N-pyridin-3-yl-2-[(4-pyridin-2-yl)piperazin-1-yl]carbonyl]benzenesulfonamide	(400 MHz, DMSO-D6) d ppm 10.23 (s, 1 H) 8.31 (s, 1 H) 8.20 - 8.26 (m, 1 H) 8.06 - 8.16 (m, 1 H) 7.80 - 7.89 (m, 1 H) 7.65 - 7.73 (m, 1 H) 7.40 - 7.64 (m, 4 H) 7.21 - 7.30 (m, 1 H) 6.84 (d, 1 H) 6.58 - 6.70 (m, 1 H) 3.54 - 3.84 (m, 4 H) 3.34 - 3.56 (m, 2 H) 3.00 - 3.24 (m, 2 H)
63		N-butyl-2-[(pyridin-3-ylamino)sulfonyl]benzamide	(400 MHz, DMSO-D6) d ppm 9.90 - 10.00 (m, 1 H) 8.73 (t, 1 H) 8.28 - 8.37 (m, 2 H) 7.71 - 7.76 (m, 1 H) 7.61 - 7.70 (m, 2 H) 7.49 - 7.57 (m, 2 H) 7.35 - 7.44 (m, 1 H) 3.25 (q, 2 H) 1.51-1.54 (m, 2 H) 1.29 - 1.40 (m, 2 H) 0.90 (t, 3 H)
64		N-(cyclopentylmethyl)-2-[(pyridin-3-ylamino)sulfonyl]benzamide	(400 MHz, DMSO-D6) d ppm 9.68 (s, 1 H) 8.75 - 8.91 (m, 1 H) 8.21 - 8.36 (m, 2 H) 7.64 - 7.73 (m, 2 H) 7.45 - 7.60 (m, 3 H) 7.19 - 7.32 (m, 1 H) 3.14 - 3.27 (m, 2 H) 2.10 - 2.24 (m, 1 H) 1.67 - 1.80 (m, 2 H) 1.43 - 1.66 (m, 4 H) 1.19 - 1.36 (m, 2 H)

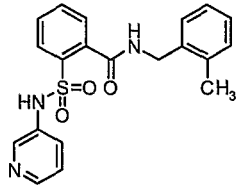
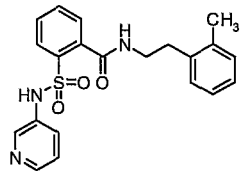
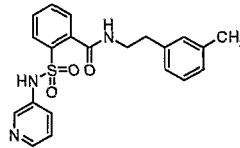
65		N-cyclobutyl-2-[(pyridin-3-ylamino)sulfonyl]benzamide	(400 MHz, CHLOROFORM-D6) d ppm 8.62 (s, 1 H) 8.31-8.42 (m, 2 H) 7.62-7.69 (m, 2 H) 7.753-7.59 (m, 2H) 7.35-7.39 (m, 1 H) 7.15-7.22 (m, 1H) 6.29-6.41 (m, 1 H) 4.48-4.52 (m, 1 H) 2.43-2.59 (m, 2 H) 2.02-2.15 (m, 2 H) 1.81-1.92 (m, 2 H)
66		2-[(pyridin-3-ylamino)sulfonyl]-N-(2-pyridin-2-ylethyl)benzamide	(400 MHz, CHLOROFORM-D) d ppm 8.51-8.59 (m, 1 H) 8.28-8.35 (m, 2 H) 7.73-7.80 (m, 1 H) 7.51-7.72 (m, 5 H) 7.43-7.49 (m, 1 H) 7.20-7.27 (m, 2 H) 7.11-7.19 (m, 2 H) 3.88-3.92 (m, 2 H) 3.12-3.21 (m, 2 H)
67		2-(piperidin-1-ylcarbonyl)-N-pyridin-3-ylbenzenesulfonamide	(400 MHz, CHLOROFORM-D6) d ppm 8.42 (s, 2 H) 7.61-7.69 (m, 3 H) 7.31-7.42 (m, 2 H) 7.15-7.21 (m, 1H) 3.92-4.12 (m, 1 H) 3.61-3.65 (m, 1 H) 3.21-3.49 (m, 2 H) 1.35 - 1.76 (m, 6 H)

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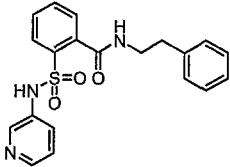
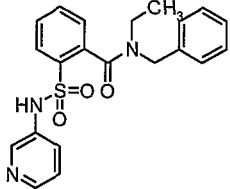
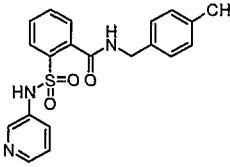
68		N-methyl-N-(2-phenylethyl)-2-[(pyridin-3-ylamino)sulfonyl]benzamide	(400 MHz, CHLOROFORM-D) d ppm 8.31-8.42 (m, 3 H) 7.88-8.03 (m, 1 H) 7.51-7.60 (m, 3 H) 7.14-7.42 (m, 4 H) 6.95-7.04 (m, 2 H) 6.62-6.74 (m, 1 H) 3.72-3.94 (m, 2 H) 3.31-3.51 (m, 2 H) 2.81 (s, 3 H)
69		2-[(pyridin-3-ylamino)sulfonyl]-N-(3-pyridin-2-ylpropyl)benzamide	(400 MHz, CHLOROFORM-D) d ppm 8.28 - 8.39 (m, 3 H) 8.03 - 8.11 (m, 1 H) 7.65 - 7.72 (m, 1 H) 7.58 - 7.65 (m, 2 H) 7.48 - 7.57 (m, 2 H) 7.32 - 7.43 (m, 1 H) 7.19 - 7.26 (m, 1 H) 7.05 - 7.18 (m, 2 H) 3.54 (q, 2 H) 2.95 - 3.02 (m, 2 H) 2.06 - 2.16 (m, 2 H)
70		N-(1,1-dimethyl-2-morpholin-4-ylethyl)-2-[(pyridin-3-ylmethyl)sulfonyl]benzamide	(400 MHz, CHLOROFORM-D) d ppm 8.45 (d, 1 H) 8.07 - 8.11 (m, 1 H) 7.39 - 7.53 (m, 5 H) 7.13 - 7.20 (m, 1 H) 7.05 (s, 1 H) 4.40 (d, 1 H) 4.19 (d, 1 H) 3.61 - 3.70 (m, 4 H) 2.48 - 2.65 (m, 6 H) 1.46 (d, 6 H)

71		N-[3-(difluoromethoxy)benzyl]-2-[(pyridin-3-ylamino)sulfonyl]benzamide	¹H NMR (400 MHz, CHLOROFORM-D) δ ppm 8.30 - 8.43 (m, 2 H) 7.62 - 7.77 (m, 2 H) 7.54 - 7.61 (m, 2 H) 7.40 - 7.50 (m, 2 H) 7.25 - 7.34 (m, 1 H) 7.13 - 7.22 (m, 3 H) 7.07 (d, 1 H) 6.46 - 6.56 (m, 1 H) 4.73 (d, 2 H) 1.6-1.66 (m, 1H)
72		N-(2-ethoxybenzyl)-2-[(pyridin-3-ylamino)sulfonyl]benzamide	¹H NMR (400 MHz, DMSO-D6) δ ppm 9.72 (s, 1 H) 9.20 (br.s, 1 H) 8.24 (d, 2 H) 7.62 - 7.78 (m, 3 H) 7.47 - 7.59 (m, 2 H) 7.40 (d, 1 H) 7.18 - 7.32 (m, 2 H) 6.81 - 7.07 (m, 2 H) 4.50 (d, 2 H) 4.07 (q, 2 H) 1.37 (t, 3 H)
73		N-(2-fluorobenzyl)-N-methyl-2-[(pyridin-3-ylamino)sulfonyl]benzamide	¹H NMR (400 MHz, CHLOROFORM-D) of major rotational isomer: δ ppm 8.30 - 8.40 (m, 2 H) 7.52 - 7.67 (m, 3 H) 7.28 - 7.43 (m, 4 H) 6.96 - 7.23 (m, 4 H) 4.99 - 5.12 (m, 1 H) 4.68 - 4.81 (m, 1 H) 2.89 (s, 3 H)

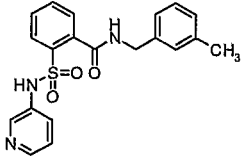
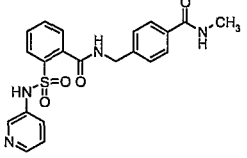
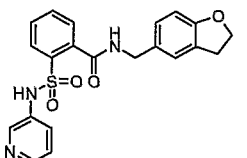
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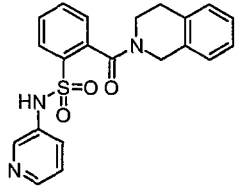
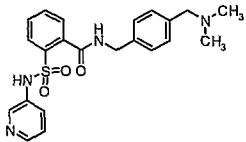
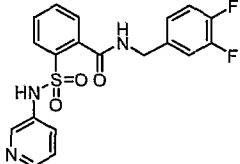
74		N-(2-methylbenzyl)-2-[(pyridin-3-ylamino)sulfonyl]benzamide	¹H NMR (400 MHz, DMSO-D₆) δ ppm 9.43 - 9.62 (m, 1 H) 8.14 (d, 2 H) 7.78 (d, 1 H) 7.58 - 7.67 (m, 2 H) 7.49 - 7.57 (m, 1 H) 7.32 - 7.47 (m, 2 H) 7.11 - 7.29 (m, 5 H) 4.48 (d, 2 H) 2.35 (s, 3 H)
75		N-[2-(2-methylphenyl)ethyl]-2-[(pyridin-3-ylamino)sulfonyl]benzamide	¹H NMR (400 MHz, DMSO-D₆) δ ppm 9.78 (br.s, 1 H) 8.87 (br.s, 1 H) 8.21 - 8.32 (m, 2 H) 7.62 - 7.77 (m, 2 H) 7.41 - 7.59 (m, 3 H) 7.24 - 7.30 (m, 1 H) 7.18 - 7.24 (m, 1 H) 7.08-7.20 (m, 1 H) 3.46 (q, 2 H) 2.87 (t, 2 H) 2.32 - 2.35 (m, 3 H)
76		N-[2-(3-methylphenyl)ethyl]-2-[(pyridin-3-ylamino)sulfonyl]benzamide	¹H NMR (400 MHz, DMSO-D₆) δ ppm 9.75 (br.s, 1 H) 8.90 (br.s, 1 H) 8.13 - 8.37 (m, 2 H) 7.61 - 7.76 (m, 2 H) 7.40 - 7.56 (m, 3 H) 7.14 - 7.30 (m, 2 H) 6.92 - 7.13 (m, 3 H) 3.47 (q, 2 H) 2.82 (t, 2 H) 2.30 (s, 3 H)

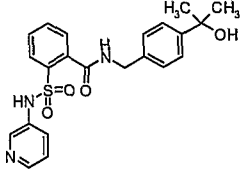
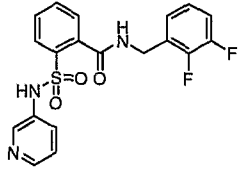
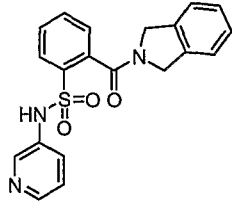
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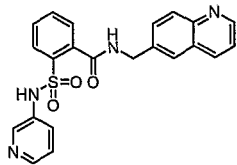
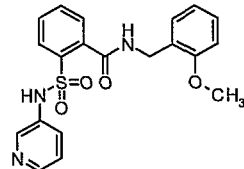
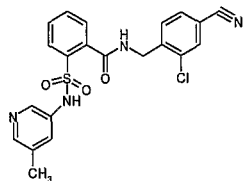
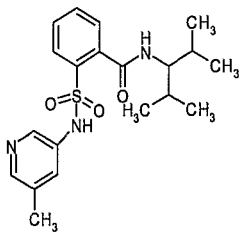
77		N-(2-phenylethyl)-2-[(pyridin-3-ylamino)sulfonyl]benzamide	1H NMR (400 MHz, DMSO-D6) d ppm 9.75 (s, 1 H) 8.95 (s, 1 H) 8.19 - 8.35 (m, 2 H) 7.62 - 7.76 (m, 2 H) 7.47 - 7.58 (m, 2 H) 7.42 - 7.47 (m, 1 H) 7.19 - 7.36 (m, 6 H) 3.50 (q, 2 H) 2.88 (t, 2 H)
78		N-benzyl-N-ethyl-2-[(pyridin-3-ylamino)sulfonyl]benzamide	1H NMR (400 MHz, DMSO-D6) of major rotational isomer: d ppm 8.16 - 8.22 (m, 1 H) 8.00 - 8.08 (m, 1 H) 7.73 - 7.83 (m, 1 H) 7.45 - 7.54 (m, 2 H) 7.32 - 7.41 (m, 5 H) 7.24 - 7.33 (m, 2 H) 7.17-7.23 (m, 1 H) 7.04 - 7.16 (m, 1 H) 2.86-3.06 (m, 2 H) 2.66 (q, 2 H) 1.09 (t, 3 H)
79		N-(4-methylbenzyl)-2-[(pyridin-3-ylamino)sulfonyl]benzamide	1H NMR (400 MHz, DMSO-D6) d ppm 9.76 (br.s, 1 H) 9.32 (br.s, 1 H) 8.24 (d, 2 H) 7.63 - 7.78 (m, 2 H) 7.44 - 7.60 (m, 3 H) 7.22 - 7.33 (m, 3 H) 7.11 - 7.18 (m, 2 H) 4.47 (d, 2 H) 2.29 (s, 3 H)

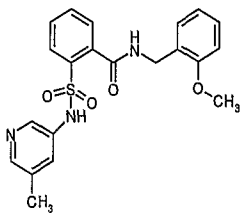
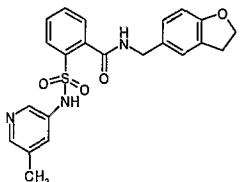
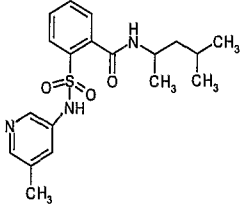
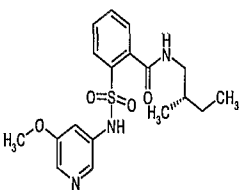
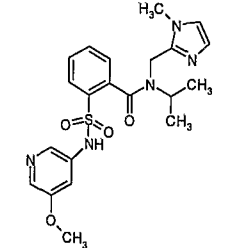
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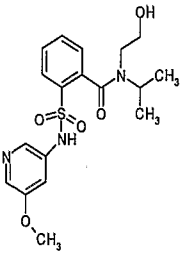
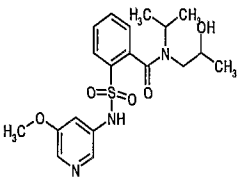
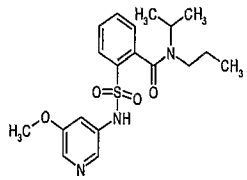
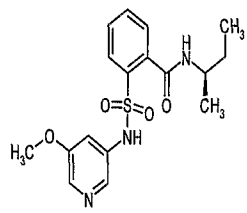
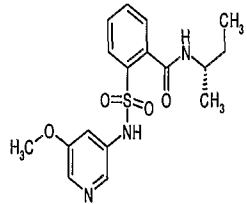
80		N-(3-methylbenzyl)-2-[(pyridin-3-ylamino)sulfonyl]benzamide	¹ H NMR (400 MHz, DMSO-D ₆) δ ppm 9.75 (br.s, 1 H) 9.39 (br.s, 1 H) 8.16 - 8.32 (m, 2 H) 7.64 - 7.79 (m, 2 H) 7.44 - 7.64 (m, 3 H) 7.17 - 7.29 (m, 4 H) 7.06 (d, 1 H) 4.48 (d, 2 H) 2.29 (s, 3 H)
81		N-(4-[(methylamino)carbonyl]benzyl)-2-[(pyridin-3-ylamino)sulfonyl]benzamide	¹ H NMR (400 MHz, DMSO-D ₆) δ ppm 9.75 (br.s, 1 H) 9.36 (br.s, 1 H) 8.41 (d, 1 H) 8.28 - 8.33 (m, 1 H) 8.24 (d, 1 H) 7.83 (d, 2 H) 7.65 - 7.78 (m, 2 H) 7.51 - 7.64 (m, 3 H) 7.47 (d, 2 H) 7.19 - 7.30 (m, 1 H) 4.55 (d, 2 H) 2.78 (d, 3 H)
82		N-(2,3-dihydro-1-benzofuran-5-ylmethyl)-2-[(pyridin-3-ylamino)sulfonyl]benzamide	¹ H NMR (400 MHz, DMSO-D ₆) δ ppm 9.72 (br.s, 1 H) 9.23 (br.s, 1 H) 8.21 - 8.31 (m, 2 H) 7.64 - 7.75 (m, 2 H) 7.48 - 7.58 (m, 3 H) 7.23 - 7.30 (m, 2 H) 7.08 - 7.14 (m, 1 H) 6.64 - 6.74 (m, 1 H) 4.46 - 4.53 (m, 2 H) 4.43 (d, 2 H) 3.11 - 3.19 (m, 2 H)

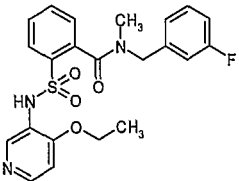
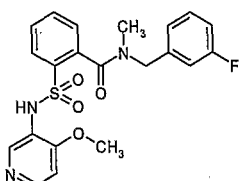
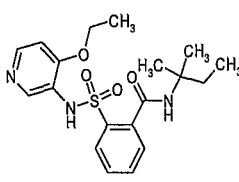
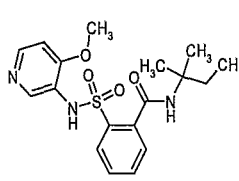
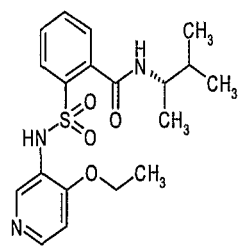
83		2-(3,4-dihydroisoquinolin-2(1H)-ylcarbonyl)-N-pyridin-3-ylbenzenesulfonamide	¹H NMR (400 MHz, DMSO-D₆) δ ppm 10.28 (br.s, 1 H) 8.25 - 8.33 (m, 1 H) 8.13 - 8.24 (m, 1 H) 7.78 - 7.89 (m, 1 H) 7.65 - 7.73 (m, 1 H) 7.55 - 7.64 (m, 1 H) 7.45 - 7.54 (m, 1 H) 7.36 - 7.44 (m, 1 H) 7.08 - 7.28 (m, 5 H) 4.51 - 4.94 (br.m, 1 H) 4.05 - 4.35 (br.m, 1 H) 3.69 - 4.03 (br.m, 1 H) 3.16 - 3.29 (m, 1 H) 2.81 - 3.01 (m, 1 H) 2.70 - 2.78 (m, 1 H)
84		N-{4-[(dimethylamino)methyl]benzyl}-2-[(pyridin-3-ylamino)sulfonyl]benzamide	¹H NMR (400 MHz, DMSO-D₆) δ ppm 9.58 (br.s, 1 H) 8.20 (d, 2 H) 7.77 (d, 1 H) 7.58 - 7.68 (m, 2 H) 7.48 - 7.58 (m, 1 H) 7.45 (d, 1 H) 7.38 (d, 2 H) 7.27 (d, 2 H) 7.12 - 7.22 (m, 1 H) 4.50 (d, 2 H) 2.21 (s, 6 H) 1.89 (s, 2 H)
85		N-(3,4-difluorobenzyl)-2-[(pyridin-3-ylamino)sulfonyl]benzamide	¹H NMR (400 MHz, DMSO-D₆) δ ppm 9.77 (br.s, 1 H) 9.34 (br.s, 1 H) 8.21 - 8.34 (m, 2 H) 7.66 - 7.79 (m, 2 H) 7.34 - 7.65 (m, 5 H) 7.22 - 7.30 (m, 2 H) 4.51 (d, 2 H)

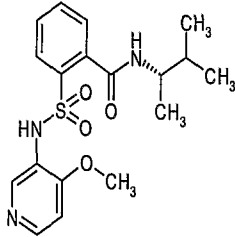
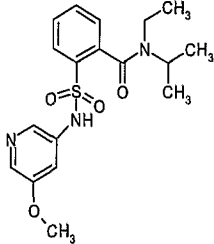
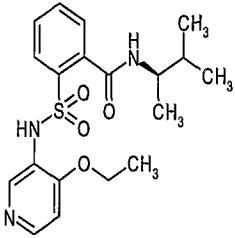
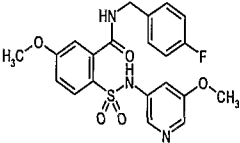
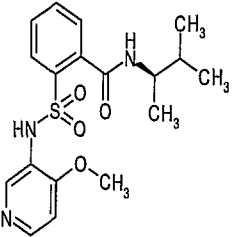
86		N-[4-(1-hydroxy-1-methylethyl)benzyl]-2-[(pyridin-3-ylamino)sulfonyl]benzamide	¹H NMR (400 MHz, DMSO-D₆) δ ppm 9.72 (br.s, 1 H) 9.31 (br.s, 1 H) 8.20 - 8.35 (m, 2 H) 7.65 - 7.77 (m, 2 H) 7.47 - 7.61 (m, 3 H) 7.40 - 7.45 (m, 3 H) 7.25-7.37 (m, 3 H) 4.50 (d, 2 H) 1.38 (s, 6 H)
87		N-(2,3-difluorobenzyl)-2-[(pyridin-3-ylamino)sulfonyl]benzamide	¹H NMR (400 MHz, DMSO-D₆) δ ppm 9.81 (br.s, 1 H) 9.41 (br.s, 1 H) 8.01 - 8.37 (m, 2 H) 7.65 - 7.80 (m, 2 H) 7.46 - 7.62 (m, 3 H) 7.30 - 7.40 (m, 2 H) 7.12 - 7.29 (m, 2 H) 3.31 (s, 2 H)
88		2-(1,3-dihydro-2H-isoindol-2-ylcarbonyl)-N-pyridin-3-ylbenzenesulfonamide	¹H NMR (400 MHz, DMSO-D₆) δ ppm 10.29 (br.s, 1 H) 8.15 - 8.33 (m, 2 H) 7.88 (d, 1 H) 7.68 - 7.79 (m, 1 H) 7.56 - 7.66 (m, 2 H) 7.45 - 7.54 (m, 1 H) 7.37 - 7.47 (m, 1 H) 7.13 - 7.35 (m, 5 H) 4.79 - 4.94 (m, 2 H) 4.25 - 4.52 (m, 2 H)

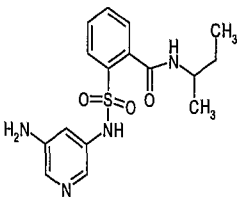
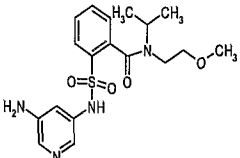
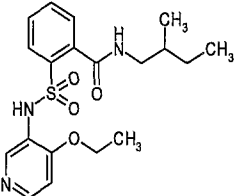
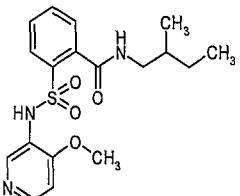
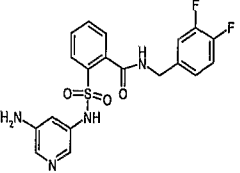
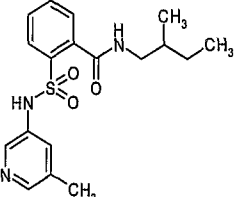
89		2-[(pyridin-3-ylamino)sulfonyl]-N-(quinolin-6-ylmethyl)benzamide	1H NMR (400 MHz, DMSO-D6) d ppm 9.88 (br.s, 1 H) 9.37 - 9.53 (m, 1 H) 8.91 - 9.09 (m, 1 H) 8.54 - 8.67 (m, 1 H) 8.24 - 8.40 (m, 2 H) 8.09 (d, 2 H) 7.93 (d, 1 H) 7.78 (d, 1 H) 7.64 - 7.75 (m, 3 H) 7.51 - 7.64 (m, 2 H) 7.25 - 7.37 (m, 1 H) 4.73 (d, 2 H)
90		N-(2-methoxybenzyl)-2-[(pyridin-3-ylamino)sulfonyl]benzamide	1H NMR (400 MHz, DMSO-D6) d ppm 9.56-9.82 (br.s 1 H) 8.99 (br.s, 1 H) 8.16 - 8.34 (m, 2 H) 7.66 - 7.81 (m, 2 H) 7.59 - 7.65 (m, 1 H) 7.44 - 7.59 (m, 2 H) 7.38 (d, 1 H) 7.18 - 7.30 (m, 2 H) 7.00 (d, 1 H) 6.93 (t, 1 H) 4.49 (d, 2 H) 3.83 (s, 3 H)
91		N-(2-chloro-4-cyanobenzyl)-2-[[[(5-methylpyridin-3-yl)amino]sulfonyl]benzamide	(400 MHz, DMSO-d6) d ppm 9.69 (s, 1 H), 9.44 (s, 1 H), 8.06 - 8.15 (m, 3 H), 7.79 - 7.89 (m, 2 H), 7.68 - 7.79 (m, 3 H), 7.61 (t, J=6.95 Hz, 1 H), 7.37 (s, 1 H), 4.63 (d, J=5.05 Hz, 2 H), 2.19 (s, 3 H)
92		N-(1-isopropyl-2-methylpropyl)-2-[[[(5-methylpyridin-3-yl)amino]sulfonyl]benzamide	(400 MHz, DMSO-d6) d ppm 9.51 (s, 1 H), 8.53 (d, J=9.60 Hz, 1 H), 8.11 (d, J=8.08 Hz, 1 H), 8.10 (s, 1 H), 7.68 - 7.74 (m, 2 H), 7.52 - 7.62 (m, 2 H), 7.36 (s, 1 H), 3.66 (dt, J=9.60, 6.57 Hz, 1 H), 2.21 (s, 3 H), 1.84 - 1.95 (m, J=13.39, 6.82, 6.69, 6.69 Hz, 2 H), 0.94 (dd, J=14.40, 6.82 Hz, 12 H)

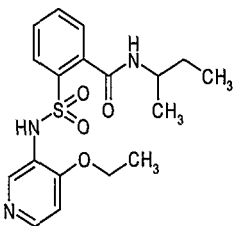
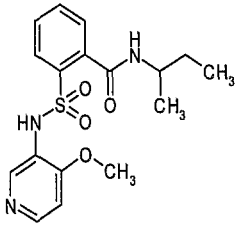
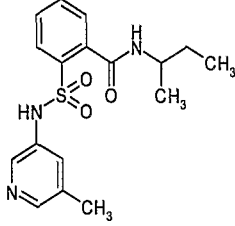
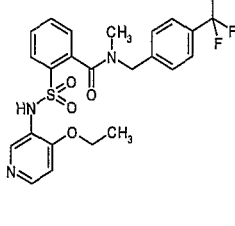
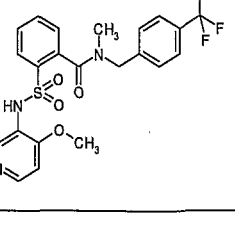
93		N-(2-methoxybenzyl)-2-(((5-methylpyridin-3-yl)amino)sulfonyl)benzamide	(400 MHz, DMSO-d ₆) d ppm 9.64 (s, 1 H), 9.22 (s, 1 H), 8.10 (s, 2 H), 7.68 - 7.77 (m, 2 H), 7.63 - 7.68 (m, 1 H), 7.57 (td, J=7.64, 1.39 Hz, 1 H), 7.40 (d, J=6.06 Hz, 1 H), 7.39 (s, 1 H), 7.36 (s, 1 H), 7.27 (td, J=7.77, 1.64 Hz, 1 H), 7.01 (d, J=7.58 Hz, 1 H), 6.95 (t, J=7.33 Hz, 1 H), 4.49 (d, J=5.31 Hz, 2 H), 3.82 - 3.86 (m, 3 H), 2.20 (s, 3 H)
94		N-(2,3-dihydro-1-benzofuran-5-ylmethyl)-2-(((5-methylpyridin-3-yl)amino)sulfonyl)benzamide	(400 MHz, DMSO-d ₆) d ppm 9.64 (s, 1 H), 9.22 (s, 1 H), 8.10 (s, 1 H), 7.68 - 7.77 (m, 1 H), 7.62 - 7.67 (m, 1 H), 7.57 (td, J=7.58, 1.52 Hz, 1 H), 7.40 (d, J=5.81 Hz, 1 H), 7.39 (s, 1 H), 7.36 (s, 1 H), 7.27 (td, J=7.77, 1.64 Hz, 1 H), 7.01 (d, J=7.58 Hz, 1 H), 6.95 (t, J=7.45 Hz, 1 H), 4.49 (d, J=5.56 Hz, 2 H), 3.84 (s, 3 H), 2.20 (s, 3 H), 2.07 (m, 1 H)
95		N-(1,3-dimethylbutyl)-2-(((5-methylpyridin-3-yl)amino)sulfonyl)benzamide	(400 MHz, DMSO-d ₆) d ppm 9.60 (s, 1 H), 8.63 (s, 1 H), 8.10 (d, J=4.55 Hz, 1 H), 8.09 (s, 1 H), 7.68 (t, J=7.58 Hz, 2 H), 7.49 - 7.56 (m, 2 H), 7.35 (s, 1 H), 4.05 - 4.15 (m, 1 H), 2.21 (s, 3 H), 1.69 - 1.79 (m, 1 H), 1.46 - 1.55 (m, 1 H), 1.24 (ddd, J=13.58, 8.40, 5.56 Hz, 1 H), 1.15 (d, J=6.57 Hz, 3 H), 0.91 (dd, J=9.60, 6.57 Hz, 6 H)
96		2-(((5-methoxypyridin-3-yl)amino)sulfonyl)-N-[(2S)-2-methylbutyl]benzamide	(400 MHz, CHLOROFORM-d) d ppm 0.97 (s, 1 H) 0.98 - 1.05 (m, 5 H) 1.28 (m, 1 H) 1.30 (m, 1H) 1.52 (m, 1 H) 1.79 (m, 1 H) 3.29 - 3.39 (m, 1 H) 3.43 - 3.54 (m, 1 H) 3.83 (s, 3 H) 6.16 (s, 1 H) 7.44 (td, J=7.71, 1.52 Hz, 1 H) 7.51 - 7.61 (m, 2 H) 7.73 (d, J=7.83 Hz, 1 H) 7.97 (s, 1 H) 8.06 (s, 1 H) 8.70 (s, 1 H)
97		N-isopropyl-2-(((5-methoxypyridin-3-yl)amino)sulfonyl)-N-[(1-methyl-1H-imidazol-2-yl)methyl]benzamide	(400 MHz, DMSO-d ₆) d ppm 8.05 (d, J=7.33 Hz, 1 H), 7.87 - 7.95 (m, 1 H), 7.78 - 7.84 (m, 1 H), 7.65 - 7.76 (m, 2 H), 7.54 (d, J=7.33 Hz, 1 H), 7.52 (dd, J=3.92, 2.65 Hz, 1 H), 7.32 (s, 1 H), 7.17 (s, 1 H), 6.90 (s, 1 H), 4.91 (d, J=16.67 Hz, 1 H), 4.62 (d, J=16.67 Hz, 1 H), 3.74 - 3.81 (m, 3 H), 3.63 - 3.73 (m, 3 H), 1.02 - 1.12 (m, 6 H)

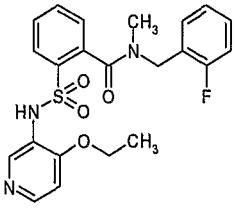
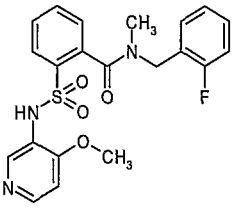
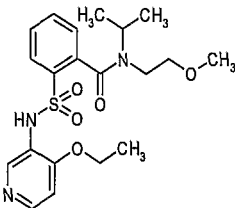
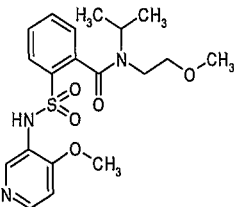
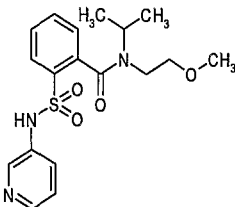
98		N-(2-hydroxyethyl)-N-isopropyl-2- {[(5-methoxypyridin-3- yl)amino]sulfonyl}benzamide	(400 MHz, DMSO-d ₆) d ppm 10.25 (s, 1 H), 7.90 - 8.01 (m, 2 H), 7.81 (t, J=8.72 Hz, 1 H), 7.63 - 7.73 (m, 1 H), 7.54 - 7.63 (m, 1 H), 7.43 (t, J=7.45 Hz, 1 H), 7.10 - 7.20 (m, 1 H), 4.77 (s, 1 H), 3.71 - 3.82 (m, 4 H), 3.52 - 3.59 (m, 1 H), 3.43 - 3.49 (m, 1 H), 3.32 - 3.41 (m, 2 H), 1.08 (dd, J=14.65, 6.57 Hz, 6H)
99		N-(2-hydroxypropyl)-N-isopropyl- 2-{[(5-methoxypyridin-3- yl)amino]sulfonyl}benzamide	(400 MHz, CHLOROFORM- d) d ppm 1.18 - 1.26 (m, 7 H) 1.28 - 1.32 (m, 3 H) 3.32 (m, 1 H) 3.41 (m, 1 H) 3.53 - 3.65 (m, 1 H) 3.76 - 3.84 (m, 4 H) 3.87 - 3.92 (m, 1 H) 4.38-4.26 (m, 1 H) 7.14 (m, 1 H) 7.33 - 7.43 (m, 2 H) 7.55 - 7.65 (m, 2 H) 7.91 (bs, 1 H) 8.08 (bs, 1 H)
100		N-isopropyl-2-{[(5- methoxypyridin-3- yl)amino]sulfonyl}-N- propylbenzamide	(400 MHz, CHLOROFORM- d) d ppm 0.68 (t, J=7.45 Hz, 0.6 H) 1.02 (t, J=7.45 Hz, 2.5 H) 1.22 (dd, J=6.57, 3.28 Hz, 5 H) 1.40 (d, J=6.82 Hz, 1.4 H) 1.77 - 1.86 (m, 2 H) 2.96-3.09 (m, 0.4 H) 3.24 (m, 1 H) 3.47 (m, 1 H) 3.80 (s, 3 H) 7.22 (s, 1 H) 7.32 - 7.39 (m, 2 H) 7.56 (td, J=7.58, 1.26 Hz, 1 H) 7.61 - 7.65 (m, 1 H) 7.96 (bs, 1 H) 8.07 (bs, 1 H) 8.14 b(s, 1 H)
101		2-{[(5-methoxypyridin-3- yl)amino]sulfonyl}-N-[(1R)-1- methylpropyl]benzamide	(400 MHz, CHLOROFORM- d) d ppm 1.04 (m, 3 H) 1.31 (m, 3 H) 1.64 (m, 2 H) 3.82 (s, 3 H) 4.10 - 4.20 (m, 1 H) 5.91 (m, 1 H) 7.21 - 7.26 (m, 1 H) 7.43 (m, 1 H) 7.54 (m, 2 H) 7.72 (m, 1 H) 7.97 (s, 1 H) 8.05 (s, 1 H) 8.68 (bs, 1 H)
102		2-{[(5-methoxypyridin-3- yl)amino]sulfonyl}-N-[(1S)-1- methylpropyl]benzamide	(400 MHz, CHLOROFORM- d) d ppm 1.05 (m, 3 H) 1.32 (m, 1 H) 1.33 (m, 2H) 1.61 - 1.73 (m, 3 H) 3.83 (s, 3 H) 4.11 - 4.21 (m, 1 H) 5.90 m, 1H) 7.41 - 7.47 (m, 1 H) 7.51 - 7.61 (m, 2 H) 7.74 (m, 1 H) 7.99 (s, 1 H) 8.07 (s, 1 H) 8.72 (bs, 1 H)

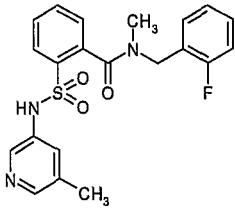
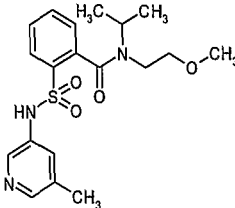
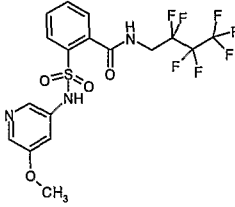
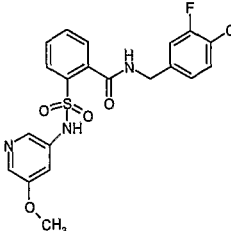
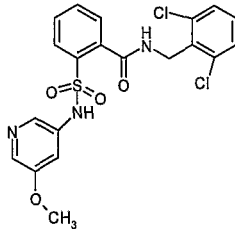
103		2-(((4-ethoxypyridin-3-yl)amino)sulfonyl)-N-(3-fluorobenzyl)-N-methylbenzamide	(400 MHz, CHLOROFORM-d) d ppm 0.88 - 1.34 (m, 3 H) 2.85 (s, 2 H) 3.10 (s, 1 H) 3.64 - 4.04 (m, 2 H) 4.28 - 4.99 (m, 2 H) 6.65 (d, J=5.79 Hz, 1 H) 6.79 - 7.10 (m, 2 H) 7.13 - 7.28 (m, 1 H) 7.32 - 7.45 (m, 3 H) 7.47 - 7.64 (m, 1 H) 7.74 (t, J=8.94 Hz, 1 H) 7.85 - 8.05 (m, 1 H) 8.27 (dd, J=5.54, 3.02 Hz, 1 H) 8.49 - 8.75 (m, 1 H)
104		N-(3-fluorobenzyl)-2-(((4-methoxypyridin-3-yl)amino)sulfonyl)-N-methylbenzamide	(400 MHz, CHLOROFORM-d) d ppm 2.83 (s, 2 H) 3.10 (s, 1 H) 3.36 - 3.74 (m, 3 H) 4.11 - 4.98 (m, 2 H) 6.68 (d, J=5.54 Hz, 1 H) 6.92 - 7.09 (m, 2 H) 7.13 - 7.25 (m, 2 H) 7.30 - 7.47 (m, 2 H) 7.47 - 7.65 (m, 1 H) 7.75 (t, J=7.81 Hz, 1 H) 7.89 (d, J=3.02 Hz, 1 H) 8.29 (d, J=5.54 Hz, 1 H) 8.50 - 8.82 (m, 1 H)
105		N-(1,1-dimethylpropyl)-2-(((4-ethoxypyridin-3-yl)amino)sulfonyl)benzamide	(400 MHz, CHLOROFORM-d) d ppm 0.99 (t, J=7.43 Hz, 3 H) 1.16 (t, J=6.92 Hz, 3 H) 1.47 (s, 6 H) 1.89 (q, J=7.55 Hz, 2 H) 3.83 (q, J=6.97 Hz, 2 H) 5.75 (s, 1 H) 6.62 (d, J=5.54 Hz, 1 H) 7.33 - 7.47 (m, 1 H) 7.48 - 7.64 (m, 2 H) 7.76 (d, J=7.81 Hz, 1 H) 8.23 (d, J=5.54 Hz, 1 H) 8.62 (s, 1 H) 8.73 (s, 1 H)
106		N-(1,1-dimethylpropyl)-2-(((4-methoxypyridin-3-yl)amino)sulfonyl)benzamide	(400 MHz, CHLOROFORM-d) d ppm 0.99 (t, J=7.43 Hz, 3 H) 1.48 (s, 6 H) 1.89 (q, J=7.55 Hz, 2 H) 3.50 - 3.65 (m, 3 H) 5.77 (s, 1 H) 6.66 (d, J=5.54 Hz, 1 H) 7.42 (t, J=7.43 Hz, 1 H) 7.48 - 7.59 (m, 2 H) 7.75 (d, J=7.81 Hz, 1 H) 8.27 (d, J=5.54 Hz, 1 H) 8.47 - 8.54 (m, 1 H) 8.56 (s, 1 H)
107		N-[(1S)-12-dimethylpropyl]-2-(((4-ethoxypyridin-3-yl)amino)sulfonyl)benzamide	(400 MHz, CHLOROFORM-d) d ppm 1.02 (t, J=6.67 Hz, 6 H) 1.14 (t, J=7.05 Hz, 3 H) 1.21 - 1.31 (m, 3 H) 1.79 - 1.97 (m, 1 H) 3.61 - 3.92 (m, 2 H) 4.00 - 4.22 (m, 1 H) 5.89 (d, J=8.56 Hz, 1 H) 6.62 (d, J=5.54 Hz, 1 H) 7.44 (t, J=7.68 Hz, 1 H) 7.48 - 7.60 (m, 2 H) 7.77 (d, J=7.81 Hz, 1 H) 8.23 (d, J=5.54 Hz, 1 H) 8.63 (s, 1 H) 8.68 (s, 1 H)

108		N-[(1S)-12-dimethylpropyl]-2-[[4-methoxypyridin-3-yl]amino]sulfonylbenzamide	(400 MHz, CHLOROFORM-d) d ppm 1.02 (t, J=7.05 Hz, 6 H) 1.15 - 1.38 (m, 3 H) 1.75 - 2.00 (m, 1 H) 3.60 (s, 3 H) 3.86 - 4.18 (m, 1 H) 5.91 (d, J=8.81 Hz, 1 H) 6.66 (d, J=5.54 Hz, 1 H) 7.37 - 7.49 (m, 1 H) 7.50 - 7.62 (m, 2 H) 7.78 (d, J=7.81 Hz, 1 H) 8.26 (d, J=5.54 Hz, 1 H) 8.53 (s, 1 H) 8.62 (s, 1 H)
109		N-ethyl-N-isopropyl-2-[[5-methoxypyridin-3-yl]amino]sulfonylbenzamide	(400 MHz, DMSO-d6) d ppm 10.19 (s, 1 H) 7.90 - 7.94 (m, 1 H) 7.80 (d, J=7.83 Hz, 1 H) 7.64 - 7.71 (m, 1 H) 7.54 - 7.61 (m, 1 H) 7.42 (s, 1 H) 7.38 - 7.42 (m, 1 H) 7.13 (t, J=2.40 Hz, 1 H) 3.74 - 3.80 (m, 3 H) 3.49 (dt, J=13.20, 6.66 Hz, 1 H) 3.34 - 3.43 (m, 2 H) 3.34 (s, 1 H) 1.24 (ddd, J=17.56, 7.20, 7.07 Hz, 4 H) 1.06 - 1.16 (m, 5H)
110		N-[(1R)-12-dimethylpropyl]-2-[[4-ethoxypyridin-3-yl]amino]sulfonylbenzamide	(400 MHz, CHLOROFORM-d) d ppm 1.02 (t, J=6.67 Hz, 6 H) 1.14 (t, J=7.05 Hz, 3 H) 1.21 - 1.31 (m, 3 H) 1.79 - 1.97 (m, 1 H) 3.61 - 3.92 (m, 2 H) 4.00 - 4.22 (m, 1 H) 5.89 (d, J=8.56 Hz, 1 H) 6.62 (d, J=5.54 Hz, 1 H) 7.44 (t, J=7.68 Hz, 1 H) 7.48 - 7.60 (m, 2 H) 7.77 (d, J=7.81 Hz, 1 H) 8.23 (d, J=5.54 Hz, 1 H) 8.63 (s, 1 H) 8.68 (s, 1 H)
111		N-(4-fluorobenzyl)-5-methoxy-2-[[5-methoxypyridin-3-yl]amino]sulfonylbenzamide	(400 MHz, CHLOROFORM-d) d ppm 3.84 (d, J=1.26 Hz, 6 H) 4.67 (d, J=5.81 Hz, 2 H) 6.45 (s, 1 H) 6.82 (dd, J=8.84, 2.53 Hz, 1 H) 7.01 (d, J=2.53 Hz, 1 H) 7.04 - 7.14 (m, 2 H) 7.41 (d, J=5.31 Hz, 1 H) 7.42 - 7.51 (m, 1 H) 7.66 (d, J=8.59 Hz, 1 H) 7.98 (s, 1 H) 8.06 (s, 1 H) 8.42 (s, 1 H)
112		N-[(1R)-12-dimethylpropyl]-2-[[4-methoxypyridin-3-yl]amino]sulfonylbenzamide	(400 MHz, CHLOROFORM-d) d ppm 1.02 (t, J=7.05 Hz, 6 H) 1.15 - 1.38 (m, 3 H) 1.75 - 2.00 (m, 1 H) 3.60 (s, 3 H) 3.86 - 4.18 (m, 1 H) 5.91 (d, J=8.81 Hz, 1 H) 6.66 (d, J=5.54 Hz, 1 H) 7.37 - 7.49 (m, 1 H) 7.50 - 7.62 (m, 2 H) 7.78 (d, J=7.81 Hz, 1 H) 8.26 (d, J=5.54 Hz, 1 H) 8.53 (s, 1 H) 8.62 (s, 1 H)

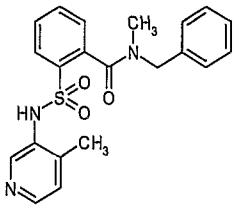
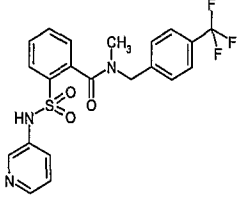
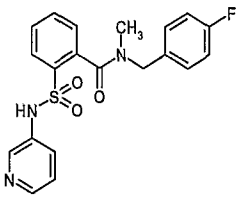
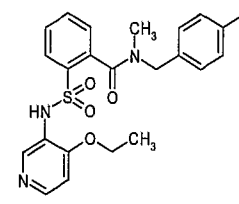
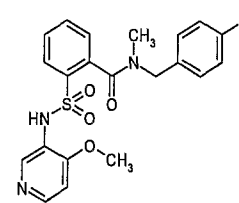
113		2-[[[(5-aminopyridin-3-yl)amino]sulfonyl]-N-(sec-butyl)benzamide	(400 MHz, DMSO-d ₆) d ppm 0.93 (t, J=7.45 Hz, 3 H) 1.16 (d, J=6.57 Hz, 3 H) 1.47 - 1.58 (m, 2 H) 3.88 - 3.97 (m, 1 H) 6.81 (m, 1 H) 7.51 (m, 1 H) 7.53 - 7.59 (m, 3 H) 7.63 (m, 1 H) 7.70 (m, 2 H) 8.65 (d, J=8.08 Hz, 1 H)
114		2-[[[(5-aminopyridin-3-yl)amino]sulfonyl]-N-isopropyl-N-(2-methoxyethyl)benzamide	(400 MHz, CHLOROFORM-d) d ppm 1.18 - 1.27 (m, 6 H) 1.42 (m, 1 H) 2.00 - 2.09 (m, 1 H) 3.43 (s, 3 H) 3.53 - 3.61 (m, 1 H) 3.61 - 3.71 (m, 2 H) 3.78 (s, 1 H) 3.81 (m, 2 H) 7.00 (s, 1 H) 7.32 - 7.43 (m, 2 H) 7.51 - 7.61 (m, 1 H) 7.68 (m, 1 H) 7.75 (s, 1 H) 7.90 (s, 1 H)
115		2-[[[(4-ethoxypyridin-3-yl)amino]sulfonyl]-N-(2-methylbutyl)benzamide	(400 MHz, CHLOROFORM-d) d ppm 1.02 (t, J=6.67 Hz, 6 H) 1.14 (t, J=7.05 Hz, 3 H) 1.21 - 1.31 (m, 3 H) 1.79 - 1.97 (m, 1 H) 3.61 - 3.92 (m, 2 H) 4.00 - 4.22 (m, 1 H) 5.89 (d, J=8.56 Hz, 1 H) 6.62 (d, J=5.54 Hz, 1 H) 7.44 (t, J=7.68 Hz, 1 H) 7.48 - 7.60 (m, 2 H) 7.77 (d, J=7.81 Hz, 1 H) 8.23 (d, J=5.54 Hz, 1 H) 8.63 (s, 1 H) 8.68 (s, 1 H)
116		2-[[[(4-methoxypyridin-3-yl)amino]sulfonyl]-N-(2-methylbutyl)benzamide	(400 MHz, CHLOROFORM-d) d ppm 0.69 - 1.19 (m, 5 H) 1.10 - 1.58 (m, 2 H) 1.62 - 1.85 (m, 2 H) 2.27 (s, 3 H) 3.19 - 3.40 (m, 1 H) 3.38 - 3.54 (m, 1 H) 6.28 (s, 1 H) 7.33 - 7.49 (m, 2 H) 7.47 - 7.61 (m, 2 H) 7.67 (d, J=7.81 Hz, 1 H) 8.17 (s, 2 H) 8.58 (s, 1 H)
117		2-[[[(5-aminopyridin-3-yl)amino]sulfonyl]-N-(3,4-difluorobenzyl)benzamide	(400 MHz, DMSO-d ₆) d ppm 4.51 (d, J=5.81 Hz, 2 H) 5.50 (bs, 1 H) 6.78 (s, 1 H) 7.25 (7.43 (s, 1 H) 7.45 - 7.53 (m, 2 H) 7.57 - 7.66 (m, 4 H) 7.68 - 7.77 (m, 3 H) 9.35 (s, 2 H)
118		N-(2-methylbutyl)-2-[[[(5-methylpyridin-3-yl)amino]sulfonyl]benzamide	(400 MHz, CHLOROFORM-d) d ppm 0.69 - 1.19 (m, 5 H) 1.10 - 1.58 (m, 2 H) 1.62 - 1.85 (m, 2 H) 2.27 (s, 3 H) 3.19 - 3.40 (m, 1 H) 3.38 - 3.54 (m, 1 H) 6.28 (s, 1 H) 7.33 - 7.49 (m, 2 H) 7.47 - 7.61 (m, 2 H) 7.67 (d, J=7.81 Hz, 1 H) 8.17 (s, 2 H) 8.58 (s, 1 H)

119		N-(sec-butyl)-2-((4-ethoxypyridin-3-yl)amino)sulfonylbenzamide	(400 MHz, CHLOROFORM-d) d ppm 0.96 - 1.08 (m, 3 H) 1.12 (t, J=6.92 Hz, 3 H) 1.26 - 1.39 (m, 3 H) 1.50 - 1.78 (m, 2 H) 3.68 - 3.91 (m, 2 H) 4.06 - 4.23 (m, 1 H) 6.17 (d, J=7.81 Hz, 1 H) 6.62 (d, J=5.54 Hz, 1 H) 7.34 - 7.45 (m, 1 H) 7.47 - 7.60 (m, 2 H) 7.70 (d, J=7.81 Hz, 1 H) 8.19 (d, J=5.54 Hz, 1 H) 8.59 (s, 1 H) 8.69 - 8.87 (m, 1 H)
120		N-(sec-butyl)-2-((4-methoxypyridin-3-yl)amino)sulfonylbenzamide	(400 MHz, CHLOROFORM-d) d ppm 1.04 (t, J=7.55 Hz, 3 H) 1.20 - 1.37 (m, 3 H) 1.51 - 1.82 (m, 2 H) 3.54 - 3.68 (m, 3 H) 4.09 - 4.40 (m, 1 H) 5.89 (d, J=8.06 Hz, 1 H) 6.67 (d, J=5.29 Hz, 1 H) 7.35 - 7.66 (m, 3 H) 7.78 (d, J=7.81 Hz, 1 H) 8.26 (s, 1 H) 8.54 (s, 2 H)
121		N-(sec-butyl)-2-((5-methylpyridin-3-yl)amino)sulfonylbenzamide	(400 MHz, CHLOROFORM-d) d ppm 0.74 - 1.13 (m, 3 H) 1.16 - 1.43 (m, 2 H) 1.54 - 1.80 (m, 3 H) 2.27 (s, 3 H) 3.97 - 4.29 (m, 1 H) 5.98 (d, J=8.06 Hz, 1 H) 7.31 - 7.46 (m, 2 H) 7.46 - 7.59 (m, 2 H) 7.68 (d, J=7.81 Hz, 1 H) 8.17 (s, 2 H) 8.57 (s, 1 H)
122		2-((4-ethoxypyridin-3-yl)amino)sulfonyl-N-methyl-N-[4-(trifluoromethyl)benzyl]benzamide	(400 MHz, CHLOROFORM-d) d ppm 0.79 - 1.27 (m, 3 H) 2.47 - 2.97 (m, 2 H) 3.09 (s, 1 H) 3.87 (d, J=59.17 Hz, 2 H) 4.19 - 5.13 (m, 2 H) 6.34 - 6.82 (m, 1 H) 6.85 - 7.23 (m, 2 H) 7.29 - 7.46 (m, 3 H) 7.47 - 7.67 (m, 2 H) 7.74 (t, J=8.56 Hz, 1 H) 8.03 (s, 1 H) 8.25 (s, 1 H) 8.66 (s, 1 H)
123		2-((4-methoxypyridin-3-yl)amino)sulfonyl-N-methyl-N-[4-(trifluoromethyl)benzyl]benzamide	(400 MHz, CHLOROFORM-d) d ppm 2.84 (s, 2 H) 3.10 (s, 1 H) 3.37 - 3.71 (m, 3 H) 4.36 - 5.14 (m, 2 H) 6.68 (d, J=5.29 Hz, 1 H) 7.31 - 7.54 (m, 4 H) 7.58 - 7.95 (m, 5 H) 8.30 (s, 1 H) 8.47 - 8.69 (m, 1 H)

124		2-[[[(4-ethoxypyridin-3-yl)amino]sulfonyl]-N-(2-fluorobenzyl)-N-methylbenzamide	(400 MHz, CHLOROFORM-d) d ppm 0.79 - 1.27 (m, 3 H) 2.47 - 2.97 (m, 2 H) 3.09 (s, 1 H) 3.87 (d, J=59.17 Hz, 2 H) 4.19 - 5.13 (m, 2 H) 6.34 - 6.82 (m, 1 H) 6.85 - 7.23 (m, 2 H) 7.29 - 7.46 (m, 3 H) 7.47 - 7.67 (m, 2 H) 7.74 (t, J=8.56 Hz, 1 H) 8.03 (s, 1 H) 8.25 (s, 1 H) 8.66 (s, 1 H)
125		N-(2-fluorobenzyl)-2-[[[(4-methoxypyridin-3-yl)amino]sulfonyl]-N-methylbenzamide	(400 MHz, CHLOROFORM-d) d ppm 2.80 (s, 2 H) 3.06 (s, 1 H) 3.48 - 3.69 (m, 3 H) 4.31 - 4.96 (m, 2 H) 6.68 (d, J=5.29 Hz, 1 H) 6.92 - 7.16 (m, 2 H) 7.18 - 7.33 (m, 1 H) 7.20 - 7.31 (m, 1 H) 7.32 - 7.48 (m, 2 H) 7.48 - 7.65 (m, 1 H) 7.74 (d, J=7.55 Hz, 1 H) 7.94 (s, 1 H) 8.29 (s, 1 H) 8.64 (s, 1 H)
126		2-[[[(4-ethoxypyridin-3-yl)amino]sulfonyl]-N-isopropyl-N-(2-methoxyethyl)benzamide	(400 MHz, CHLOROFORM-d) d ppm 0.98 - 1.30 (m, 8 H) 1.40 (d, J=7.05 Hz, 1 H) 3.36 - 3.98 (m, 10 H) 6.63 (d, J=5.29 Hz, 1 H) 7.35 - 7.47 (m, 2 H) 7.48 - 7.62 (m, 1 H) 7.69 (t, J=8.44 Hz, 1 H) 8.01 (s, 1 H) 8.25 (s, 1 H) 8.60 (s, 1 H)
127		N-isopropyl-N-(2-methoxyethyl)-2-[[[(4-methoxypyridin-3-yl)amino]sulfonyl]benzamide	(400 MHz, CHLOROFORM-d) d ppm 1.21 (d, J=6.80 Hz, 6 H) 1.40 (d, J=6.80 Hz, 1 H) 3.38 - 3.48 (m, 3 H) 3.46 - 3.72 (m, 5 H) 3.73 - 3.91 (m, 2 H) 6.66 (d, J=5.54 Hz, 1 H) 7.31 - 7.46 (m, 2 H) 7.49 - 7.61 (m, 1 H) 7.69 (t, J=8.81 Hz, 1 H) 7.92 (s, 1 H) 8.28 (d, J=5.04 Hz, 1 H) 8.57 (s, 1 H)
128		N-isopropyl-N-(2-methoxyethyl)-2-[[pyridin-3-ylamino]sulfonyl]benzamide	(400 MHz, CHLOROFORM-d) d ppm 1.08 - 1.34 (m, 6 H) 3.35 - 3.56 (m, 6 H) 3.60 - 3.88 (m, 4 H) 7.22 (s, 1 H) 7.33 - 7.41 (m, 1 H) 7.50 - 7.73 (m, 2 H) 7.92 - 8.12 (m, 1 H) 8.37 (s, 2 H)

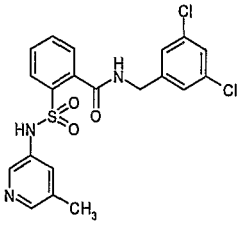
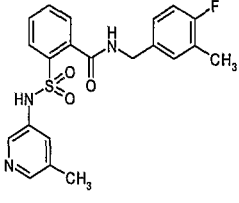
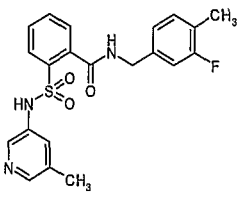
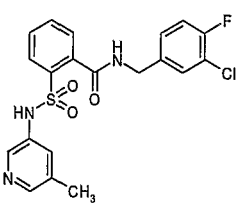
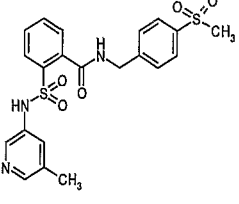
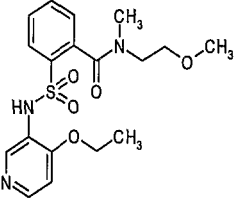
129		N-(2-fluorobenzyl)-N-methyl-2- (((5-methylpyridin-3-yl)amino)sulfonyl)benzamide	(400 MHz, CHLOROFORM-d) d ppm 2.27 (s, 3 H) 2.89 (s, 2 H) 3.11 (s, 1 H) 4.23 - 5.14 (m, 2 H) 6.84 - 7.16 (m, 1 H) 7.15 - 7.27 (m, 1 H) 7.30 - 7.49 (m, 4 H) 7.48 - 7.70 (m, 3 H) 7.90 (s, 1 H) 8.20 (s, 2 H)
130		N-isopropyl-N-(2-methoxyethyl)- 2-(((5-methylpyridin-3-yl)amino)sulfonyl)benzamide	(400 MHz, CHLOROFORM-d) d ppm 1.09 - 1.48 (m, 5 H) 2.26 (s, 3 H) 3.35 - 3.49 (m, 4 H) 3.53 - 3.73 (m, 3 H) 3.75 - 3.89 (m, 2 H) 7.30 - 7.46 (m, 3 H) 7.51 - 7.70 (m, 2 H) 7.80 - 8.00 (m, 1 H) 8.18 (d, J=15.86 Hz, 2 H)
131		N-(2,2,3,3,4,4,4-heptafluorobutyl)-2- (((5-methoxypyridin-3-yl)amino)sulfonyl)benzamide	(400 MHz, CHLOROFORM-d) d ppm 9.32 (s, 1 H), 8.23 (d, J=1.01 Hz, 1 H), 8.06 (s, 1 H), 7.82 - 7.89 (m, 1 H), 7.79 (s, 1 H), 7.73 (t, J=7.45 Hz, 1 H), 7.59 - 7.69 (m, 2 H), 6.92 (t, J=5.94 Hz, 1 H), 4.28 (td, J=15.16, 6.06 Hz, 2 H), 3.98 (s, 3 H)
132		N-(4-chloro-3-fluorobenzyl)-2- (((5-methoxypyridin-3-yl)amino)sulfonyl)benzamide	(400 MHz, DMSO-d6) d ppm 10.35 (s, 1 H), 7.87 - 7.91 (m, 1 H), 7.64 - 7.68 (m, 2 H), 7.62 (s, 1 H), 7.58 - 7.61 (m, 1 H), 7.46 - 7.57 (m, 3 H), 7.29 (ddd, J=15.22, 8.27, 1.52 Hz, 1 H), 7.01 (s, 1 H), 6.90 (t, J=2.40 Hz, 1 H), 4.51 (d, J=5.81 Hz, 1 H), 3.94 (s, 1 H), 3.67 (s, 3H)
133		N-(2,6-dichlorobenzyl)-2- (((5-methoxypyridin-3-yl)amino)sulfonyl)benzamide	(400 MHz, DMSO-d6) d ppm 9.85 (s, 1 H), 9.08 (s, 1 H), 7.98 (d, J=2.53 Hz, 1 H), 7.93 (d, J=2.02 Hz, 1 H), 7.79 (d, J=6.82 Hz, 1 H), 7.78 (s, 1 H), 7.66 (td, J=7.52, 1.14 Hz, 1 H), 7.56 (td, J=7.71, 1.26 Hz, 1 H), 7.49 - 7.53 (m, 2 H), 7.46 (dd, J=7.45, 1.14 Hz, 1 H), 7.35 - 7.41 (m, 1 H), 7.14 (t, J=2.40 Hz, 1 H), 4.75 (d, J=4.55 Hz, 2 H), 3.76 (s, 3 H)

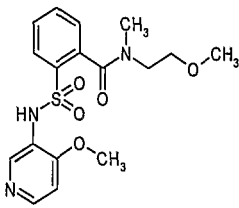
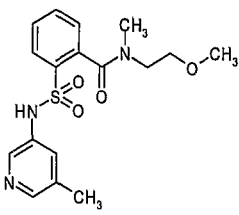
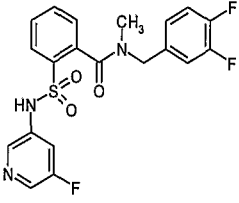
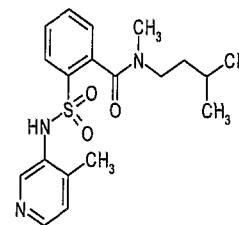
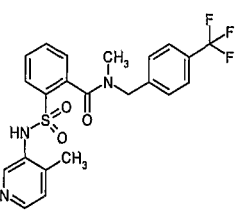
134		N-[2-{3-fluoro-4-(trifluoromethyl)phenyl}ethyl]-2-[[5-methoxypyridin-3-yl]amino]sulfonylbenzamide	(400 MHz, DMSO-d ₆) d ppm 8.98 (t, J=5.18 Hz, 1 H), 7.95 (d, J=2.53 Hz, 1 H), 7.90 (d, J=1.77 Hz, 1 H), 7.79 (d, J=7.83 Hz, 1 H), 7.71 (t, J=7.96 Hz, 1 H), 7.62 - 7.68 (m, 1 H), 7.53 - 7.59 (m, 1 H), 7.42 - 7.50 (m, 2 H), 7.35 (d, J=8.08 Hz, 1 H), 7.10 (t, J=2.27 Hz, 1 H), 3.75 (s, 3 H), 3.57 (q, J=6.40 Hz, 2 H), 2.99 (t, J=6.82 Hz, 2 H)
135		N-[2-(3,4-difluorophenyl)-1-methylethyl]-2-[[5-methoxypyridin-3-yl]amino]sulfonylbenzamide	(400 MHz, DMSO-d ₆) d ppm 9.79 (s, 1 H), 8.75 (d, J=7.83 Hz, 1 H), 7.98 (d, J=2.53 Hz, 1 H), 7.90 (d, J=2.02 Hz, 1 H), 7.76 (d, J=7.83 Hz, 1 H), 7.67 (t, J=7.33 Hz, 1 H), 7.52 - 7.58 (m, 1 H), 7.30 - 7.40 (m, 3 H), 7.08 - 7.16 (m, 2 H), 4.22 (ddd, J=14.02, 7.20, 7.07 Hz, 1 H), 3.75 (s, 3 H), 2.76 - 2.88 (m, 2 H), 1.17 (d, J=6.57 Hz, 3 H)
136		N-[2-(2,3-difluoro-4-methylphenyl)ethyl]-2-[[5-methoxypyridin-3-yl]amino]sulfonylbenzamide	(400 MHz, DMSO-d ₆) d ppm 9.73 (s, 1 H), 8.97 (s, 1 H), 7.95 (d, J=2.53 Hz, 1 H), 7.88 (d, J=2.02 Hz, 1 H), 7.78 (d, J=7.83 Hz, 1 H), 7.65 (d, J=7.33 Hz, 1 H), 7.56 (t, J=7.71 Hz, 1 H), 7.45 (d, J=7.58 Hz, 1 H), 7.00 - 7.11 (m, 3 H), 3.75 (s, 3 H), 3.45 - 3.54 (m, 2 H), 2.91 (t, J=6.95 Hz, 2 H), 2.25 (d, J=1.26 Hz, 3 H)
137		N-[2-(3,4-difluorophenyl)ethyl]-2-[[5-methoxypyridin-3-yl]amino]sulfonylbenzamide	(400 MHz, DMSO-d ₆) d ppm 9.86 (s, 1 H), 8.86 (t, J=5.05 Hz, 1 H), 7.98 (d, J=2.53 Hz, 1 H), 7.91 (d, J=2.02 Hz, 1 H), 7.79 (s, 1 H), 7.77 (d, J=1.01 Hz, 1 H), 7.67 (td, J=7.52, 1.14 Hz, 1 H), 7.56 (td, J=7.71, 1.26 Hz, 1 H), 7.34 - 7.44 (m, 2 H), 7.09 - 7.16 (m, 2 H), 3.75 (s, 3 H), 3.46 - 3.55 (m, 2 H), 2.87 (t, J=6.95 Hz, 2 H)
138		N-(3-chloro-4-methylbenzyl)-2-[[5-methoxypyridin-3-yl]amino]sulfonylbenzamide	(400 MHz, DMSO-d ₆) d ppm 2.34 (s, 3 H), 3.75 (s, 3 H), 4.48 (d, J=6.06 Hz, 2 H), 7.14 (t, J=2.27 Hz, 1 H), 7.26 (dd, J=7.83, 1.77 Hz, 1 H), 7.38 (d, J=8.08 Hz, 1 H), 7.42 (s, 1 H), 7.55 - 7.63 (m, 2 H), 7.71 (t, J=7.07 Hz, 1 H), 7.81 (d, J=7.58 Hz, 1 H), 7.94 (s, 1 H), 8.01 (s, 1 H), 9.28 (t, J=5.94 Hz, 1 H), 9.88 (s, 1 H)

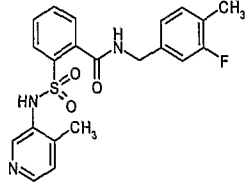
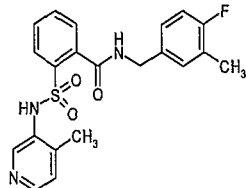
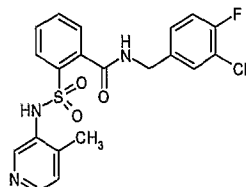
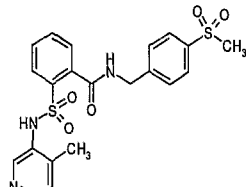
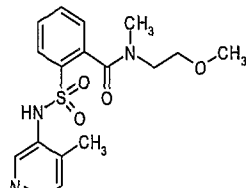
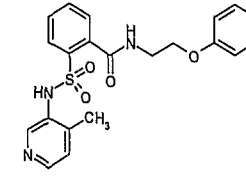
139		N-benzyl-N-methyl-2-[[4-methylpyridin-3-yl]amino]sulfonylbenzamide	(400 MHz, CHLOROFORM-d) d ppm 1.07 (s, 3 H) 1.65 (s, 2 H) 1.90 (s, 1 H) 3.10 - 3.95 (m, 2 H) 5.89 (s, 1 H) 6.01 - 6.31 (m, 7 H) 6.31 - 6.48 (m, 2 H) 6.63 (s, 1 H) 7.03 (d, J=42.05 Hz, 2 H)
140		N-methyl-2-[(pyridin-3-ylamino)sulfonyl]-N-[4-(trifluoromethyl)benzyl]benzamide	(400 MHz, CHLOROFORM-d) d ppm 2.88 (s, 2 H) 3.11 (s, 1 H) 4.28 - 5.11 (m, 2 H) 7.05 - 7.23 (m, 1 H) 7.30 - 7.49 (m, 3 H) 7.54 - 7.75 (m, 6 H) 7.96 (s, 1 H) 8.40 (s, 2 H)
141		N-(4-fluorobenzyl)-N-methyl-2-[(pyridin-3-ylamino)sulfonyl]benzamide	(400 MHz, CHLOROFORM-d) d ppm 2.84 (s, 2 H) 3.07 (s, 1 H) 3.99 - 4.94 (m, 2 H) 6.99 - 7.14 (m, 2 H) 7.19 (dd, J=7.68, 4.66 Hz, 1 H) 7.23 - 7.30 (m, 1 H) 7.30 - 7.48 (m, 3 H) 7.49 - 7.69 (m, 3 H) 8.01 (s, 1 H) 8.39 (s, 2 H)
142		2-[[4-ethoxypyridin-3-yl]amino]sulfonyl-N-(4-fluorobenzyl)-N-methylbenzamide	(400 MHz, CHLOROFORM-d) d ppm 1.10 - 1.29 (m, 3 H) 2.81 (s, 2 H) 3.05 (s, 1 H) 3.58 - 4.09 (m, 2 H) 4.40 (s, 1 H) 4.64 - 4.94 (m, 1 H) 6.65 (d, J=5.29 Hz, 1 H) 6.97 - 7.15 (m, 2 H) 7.20 - 7.33 (m, 1 H) 7.30 - 7.51 (m, 3 H) 7.48 - 7.65 (m, 1 H) 7.73 (dd, J=7.68, 3.65 Hz, 1 H) 8.01 (s, 1 H) 8.26 (s, 1 H) 8.66 (s, 1 H)
143		N-(4-fluorobenzyl)-2-[[4-methoxypyridin-3-yl]amino]sulfonyl-N-methylbenzamide	(400 MHz, CHLOROFORM-d) d ppm 2.80 (s, 2 H) 3.06 (s, 1 H) 3.48 - 3.69 (m, 3 H) 4.31 - 4.96 (m, 2 H) 6.68 (d, J=5.29 Hz, 1 H) 6.92 - 7.16 (m, 2 H) 7.18 - 7.33 (m, 1 H) 7.20 - 7.31 (m, 1 H) 7.32 - 7.48 (m, 2 H) 7.48 - 7.65 (m, 1 H) 7.74 (d, J=7.55 Hz, 1 H) 7.94 (s, 1 H) 8.29 (s, 1 H) 8.64 (s, 1 H)

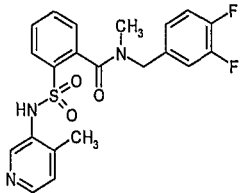
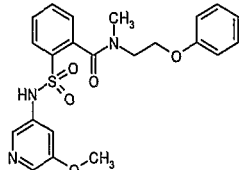
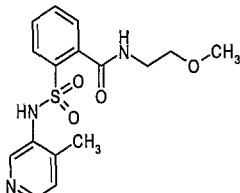
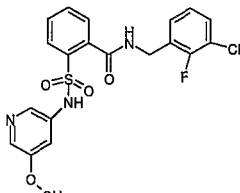
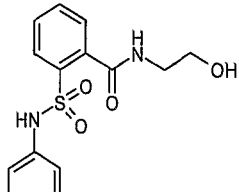
144		N-(4-fluorobenzyl)-N-methyl-2- {[(4-methylpyridin-3- yl)amino]sulfonyl}benzamide	(400 MHz, CHLOROFORM-d) d ppm 2.27 (s, 3 H) 2.85 (s, 2 H) 3.07 (s, 1 H) 4.24 - 4.95 (m, 2 H) 6.92 - 7.17 (m, 3 H) 7.24 - 7.33 (m, 1 H) 7.36 - 7.50 (m, 3 H) 7.54 - 7.68 (m, 2 H) 7.81 (s, 1 H) 8.17 (s, 1 H) 8.29 (s, 1 H)
145		N-methyl-2-[[[5-methylpyridin-3- yl]amino]sulfonyl]-N-[4- (trifluoromethyl)benzyl]benzamid e	(400 MHz, CHLOROFORM-d) d ppm 2.28 (s, 3 H) 2.74 - 3.19 (m, 3 H) 4.90 (d, J=43.06 Hz, 1 H) 7.32 - 7.50 (m, 4 H) 7.51 - 7.74 (m, 6 H) 7.88 (s, 1 H) 8.22 (s, 2 H)
146		N-(4-fluorobenzyl)-N-methyl-2- {[(5-methylpyridin-3- yl)amino]sulfonyl}benzamide	(400 MHz, CHLOROFORM-d) d ppm 2.28 (s, 3 H) 2.74 - 3.19 (m, 3 H) 4.90 (d, J=43.06 Hz, 1 H) 7.32 - 7.50 (m, 4 H) 7.51 - 7.74 (m, 6 H) 7.88 (s, 1 H) 8.22 (s, 2 H)
147		N-(2,5-difluorobenzyl)-2-[[[5- methoxypyridin-3- yl]amino]sulfonyl]benzamide	(400 MHz, CHLOROFORM- d) d ppm 3.81 (s, 3 H) 4.73 (d, J=5.81 Hz, 2 H) 6.52 (m, 1 H) 7.18 - 7.28 (m, 3 H) 7.45 (m, 1 H) 7.49 - 7.58 (m, 3 H) 7.73 (m, 1 H) 7.93 (m, 1 H) 8.06 (m, 1 H)
148		N-[1-(3,4-difluorophenyl)-1- methylethyl]-2-[[[5- methoxypyridin-3- yl]amino]sulfonyl]benzamide	(400 MHz, CHLOROFORM- D) d ppm 8.16 (s, 1 H) 8.04 (d, J=2.53 Hz, 1 H) 7.87 (d, J=2.02 Hz, 1 H) 7.70 (d, J=7.58 Hz, 1 H) 7.57 - 7.63 (m, 2 H) 7.45 (m, 1 H) 7.35 (s, 1 H) 7.13 - 7.23 (m, 2 H) 6.31 (s, 1 H) 3.79 (s, 3 H) 1.83 (s, 6 H)
149		2-[[[5-methoxypyridin-3- yl]amino]sulfonyl]-N-(4- methylcyclohexyl)benzamide	(400 MHz, CHLOROFORM- d) d ppm 0.94 (t, J=5.56 Hz, 3 H) 1.15 (m, 2 H) 1.27 (m, 2 H) 1.68 (m, 1 H) 1.71 - 1.83 (m, 2 H) 2.18 (m, 1 H) 3.81 (s, 3 H) 3.90 - 4.00 (m, 1 H) 4.27 (m, 1 H) 5.91-6.16 (m, 1 H) 7.23 (d, J=2.02 Hz, 1 H) 7.39 - 7.47 (m, 1 H) 7.49 - 7.60 (m, 2 H) 7.72 (m, 1 H) 7.96 (s, 1 H) 8.06 (s, 1 H) 8.60 (m, 1 H)

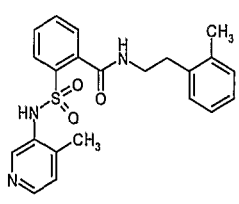
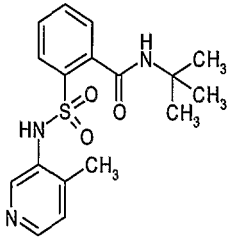
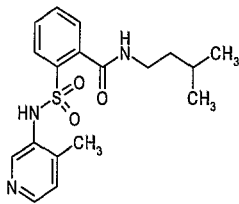
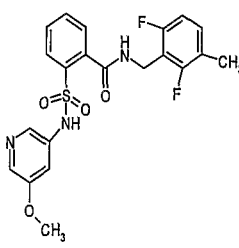
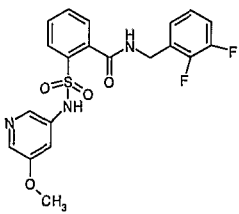
150		N-(4-chloro-2-fluorobenzyl)-2- (((5-methoxypyridin-3- yl)amino)sulfonyl)benzamide	(400 MHz, CHLOROFORM- d) d ppm 3.82 (s, 3 H) 4.73 (d, J=5.81 Hz, 2 H) 6.54 (m, 1 H) 7.14 (dd, J=9.73, 1.89 Hz, 1 H) 7.20 (dd, J=8.08, 2.02 Hz, 1 H) 7.46 (m, 1 H) 7.48 - 7.54 (m, 2 H) 7.57 (m, 1 H) 7.74 (d, J=7.83 Hz, 1 H) 7.95 (bs, 1 H) 8.05 (bs, 1H)
151		N-(5-chloro-2-fluorobenzyl)-2- (((5-methoxypyridin-3- yl)amino)sulfonyl)benzamide	(400 MHz, CHLOROFORM- d) d ppm 3.81 (s, 3 H) 4.73 (d, J=6.06 Hz, 2 H) 6.54 (m, 1 H) 7.05 (t, J=9.09 Hz, 1 H) 7.21 - 7.31 (m, 2 H) 7.44 (td, J=7.58, 1.52 Hz, 1 H) 7.51 - 7.60 (m, 2 H) 7.73 (d, J=7.83 Hz, 1 H) 7.94 (d, J=2.27 Hz, 1 H) 8.06 (d, J=2.78 Hz, 1 H)
152		N-[2-(3-chlorophenyl)ethyl]-2- (((5-methoxypyridin-3- yl)amino)sulfonyl)benzamide	(400 MHz, CHLOROFORM- d) d ppm 3.00 (t, J=6.82 Hz, 2 H) 3.74 (m, 2 H) 3.81 (s, 3H) 6.20 (t, J=5.68 Hz, 1 H) 7.19 - 7.30 (m, 3 H) 7.38 - 7.45 (m, 2 H) 7.49 - 7.57 (m, 1 H) 7.67 - 7.74 (m, 1 H) 7.95 (d, J=2.02 Hz, 1 H) 8.05 (d, J=2.78 Hz, 1 H) 8.56 (s, 1 H)
153		N-(2,3-dihydro-1-benzofuran-5- ylmethyl)-2-(((5-methoxypyridin- 3-yl)amino)sulfonyl)benzamide	(400 MHz, CHLOROFORM- d) d ppm 3.22 (t, J=8.72 Hz, 2 H) 3.82 (s, 3 H) 4.58 (m, 2 H) 4.62 (m, 2 H) 6.37 (s, 1 H) 6.77 (d, J=8.08 Hz, 1 H) 7.14 (d, J=8.34 Hz, 1 H) 7.23 - 7.31 (m, 2 H) 7.39 - 7.47 (m, 1 H) 7.51 - 7.58 (m, 2 H) 7.73 (d, J=7.83 Hz, 1 H) 7.97 (d, J=1.52 Hz, 1 H) 8.04 - 8.09 (m, 1 H)
154		N-methyl-N-[2-(2- methylphenyl)ethyl]-2-(((5- methylpyridin-3- yl)amino)sulfonyl)benzamide	(400 MHz, CHLOROFORM-d) d ppm 1.84 - 2.06 (m, 1 H) 2.01 - 2.38 (m, 3 H) 2.37 - 2.53 (m, 2 H) 2.74 - 3.21 (m, 3 H) 3.29 - 3.55 (m, 1 H) 3.60 - 3.88 (m, 1 H) 6.64 - 6.99 (m, 1 H) 7.05 - 7.23 (m, 4 H) 7.27 - 7.45 (m, 4 H) 7.49 - 7.66 (m, 2 H) 7.87 (d, J=49.35 Hz, 1 H) 8.05 - 8.26 (m, 2 H)

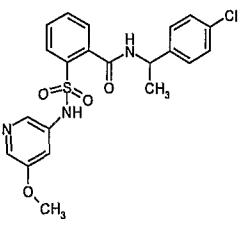
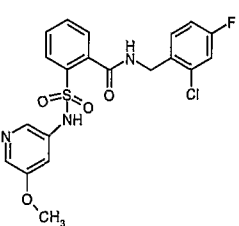
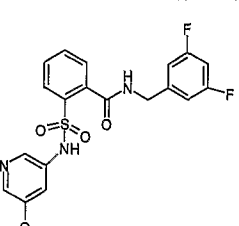
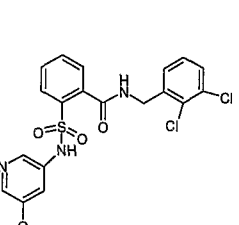
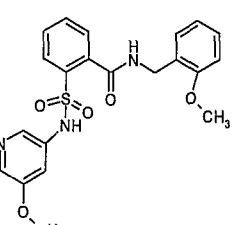
155		N-(3,5-dichlorobenzyl)-2-[[[5-methylpyridin-3-yl]amino]sulfonyl]benzamide	(400 MHz, CHLOROFORM-d) d ppm 2.28 (s, 3 H) 4.67 (d, J=5.79 Hz, 2 H) 6.62 (t, J=5.92 Hz, 1 H) 7.29 - 7.38 (m, 3 H) 7.40 - 7.47 (m, 2 H) 7.51 - 7.64 (m, 2 H) 7.70 (d, J=7.81 Hz, 1 H) 8.17 (s, 2 H) 8.36 (s, 1 H)
156		N-(4-fluoro-3-methylbenzyl)-2-[[[5-methylpyridin-3-yl]amino]sulfonyl]benzamide	(400 MHz, CHLOROFORM-d) d ppm 2.28 (s, 6 H) 4.66 (d, J=6.04 Hz, 2 H) 6.42 - 6.54 (m, 1 H) 7.04 - 7.15 (m, 2 H) 7.16 - 7.29 (m, 1 H) 7.37 - 7.53 (m, 2 H) 7.50 - 7.61 (m, 2 H) 7.70 (d, J=7.55 Hz, 1 H) 8.17 (s, 2 H) 8.48 (s, 1 H)
157		N-(3-fluoro-4-methylbenzyl)-2-[[[5-methylpyridin-3-yl]amino]sulfonyl]benzamide	(400 MHz, CHLOROFORM-d) d ppm 2.18 - 2.46 (m, 6 H) 4.65 (d, J=5.79 Hz, 2 H) 6.40 (s, 1 H) 7.01 (t, J=8.81 Hz, 1 H) 7.16 - 7.25 (m, 1 H) 7.29 (s, 1 H) 7.35 - 7.49 (m, 2 H) 7.50 - 7.60 (m, 2 H) 7.72 (d, J=7.55 Hz, 1 H) 8.18 (s, 2 H) 8.51 (s, 1 H)
158		N-(3-chloro-4-fluorobenzyl)-2-[[[5-methylpyridin-3-yl]amino]sulfonyl]benzamide	(400 MHz, CHLOROFORM-d) d ppm 2.28 (s, 3 H) 4.66 (d, J=6.04 Hz, 2 H) 6.61 (t, J=5.67 Hz, 1 H) 7.16 (t, J=8.56 Hz, 1 H) 7.29 - 7.38 (m, 1 H) 7.39 - 7.46 (m, 2 H) 7.49 (dd, J=6.80, 2.27 Hz, 1 H) 7.52 - 7.60 (m, 2 H) 7.69 (d, J=7.55 Hz, 1 H) 8.17 (s, 2 H) 8.42 (s, 1 H)
159		2-[[[5-methylpyridin-3-yl]amino]sulfonyl]-N-[4-(methylsulfonyl)benzyl]benzamide	(400 MHz, CHLOROFORM-d) d ppm 2.27 (s, 3 H) 3.02 (s, 3 H) 4.81 (d, J=6.04 Hz, 2 H) 7.00 (t, J=5.79 Hz, 1 H) 7.33 - 7.51 (m, 2 H) 7.52 - 7.72 (m, 5 H) 7.87 (d, J=8.31 Hz, 2 H) 8.17 (s, 2 H) 8.42 (s, 1 H)
160		2-[[[4-ethoxypyridin-3-yl]amino]sulfonyl]-N-(2-methoxyethyl)-N-methylbenzamide	(400 MHz, CHLOROFORM-d) d ppm 8.61 (d, J=6.04 Hz, 1 H) 8.25 (d, J=5.29 Hz, 1 H) 7.99 (s, 1 H) 7.64 - 7.77 (m, 1 H) 7.51 - 7.63 (m, 1 H) 7.33 - 7.50 (m, 2 H) 6.64 (d, J=5.54 Hz, 1 H) 3.50 - 4.00 (m, 6 H) 3.39 - 3.47 (m, 2 H) 3.28 - 3.37 (m, 2 H) 3.20 (s, 1 H) 2.99 (s, 2 H) 1.15 (t, J=6.92 Hz, 2 H)

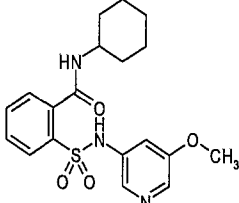
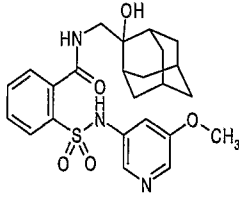
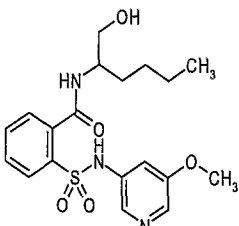
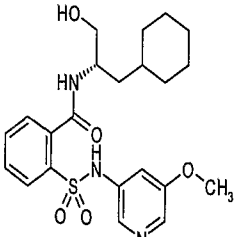
161		N-(2-methoxyethyl)-2-((4-methoxypyridin-3-yl)amino)sulfonyl-N-methylbenzamide	(400 MHz, CHLOROFORM-d) d ppm 8.27 (d, J=4.78 Hz, 1 H) 8.15 (s, 1 H) 7.76 (s, 1 H) 7.53 - 7.66 (m, 2 H) 7.32 - 7.54 (m, 2 H) 7.07 (d, J=5.04 Hz, 1 H) 3.56 - 3.86 (m, 3 H) 3.29 - 3.54 (m, 4 H) 3.22 (s, 1 H) 3.03 (s, 2 H) 2.24 (d, J=2.01 Hz, 3 H) LCMS ESI: 364.20 MH+
162		N-(2-methoxyethyl)-N-methyl-2-((5-methylpyridin-3-yl)amino)sulfonylbenzamide	(400 MHz, CHLOROFORM-d) d ppm 8.27 (d, J=4.78 Hz, 1 H) 8.15 (s, 1 H) 7.76 (s, 1 H) 7.53 - 7.66 (m, 2 H) 7.32 - 7.54 (m, 2 H) 7.07 (d, J=5.04 Hz, 1 H) 3.56 - 3.86 (m, 3 H) 3.29 - 3.54 (m, 4 H) 3.22 (s, 1 H) 3.03 (s, 2 H) 2.24 (d, J=2.01 Hz, 3 H) LCMS ESI: 364.20 MH+
163		N-(3,4-difluorobenzyl)-2-((5-fluoropyridin-3-yl)amino)sulfonyl-N-methylbenzamide	(400 MHz, CHLOROFORM-d) d ppm 8.25 (s, 1 H) 8.20 (s, 1 H) 8.13 (s, 1 H) 7.70 (d, J=7.81 Hz, 1 H) 7.51 - 7.65 (m, 1 H) 7.35 - 7.51 (m, 3 H) 6.97 - 7.33 (m, 3 H) 4.27 - 4.95 (m, 2 H) 3.08 (s, 1 H) 2.87 (s, 2 H) LCMS ESI: 436.20 MH+
164		N-methyl-N-(3-methylbutyl)-2-((4-methylpyridin-3-yl)amino)sulfonylbenzamide	(400 MHz, CHLOROFORM-d) d ppm 8.27 (d, J=5.04 Hz, 1 H) 8.13 (s, 1 H) 7.81 (d, J=14.86 Hz, 1 H) 7.56 - 7.65 (m, 2 H) 7.35 - 7.45 (m, 2 H) 7.07 (d, J=4.78 Hz, 1 H) 3.62 (s, 1 H) 3.17 - 3.24 (m, 2 H) 3.16 (s, 1 H) 2.92 (s, 2 H) 2.25 (d, J=3.78 Hz, 3 H) 1.65 - 1.79 (m, 1 H) 1.38 - 1.52 (m, 1 H) 1.01 (d, J=6.04 Hz, 3 H) 0.78 (dd, J=14.35, 6.04 Hz, 3 H) LCMS ESI: 376.20 MH+
165		N-methyl-2-((4-methylpyridin-3-yl)amino)sulfonyl-N-(4-(trifluoromethyl)benzyl)benzamide	(400 MHz, CHLOROFORM-d) d ppm 8.29 (d, J=5.04 Hz, 1 H) 8.10 - 8.20 (m, 1 H) 7.75 (s, 1 H) 7.50 - 7.72 (m, 5 H) 7.38 - 7.49 (m, 3 H) 7.10 (d, J=4.78 Hz, 1 H) 4.47 - 5.08 (m, 2 H) 3.11 (s, 1 H) 2.89 (s, 2 H) 2.28 (s, 3 H) LCMS ESI: 464.20 MH+

166		N-(3-fluoro-4-methylbenzyl)-2-[[[4-methylpyridin-3-yl]amino]sulfonyl]benzamide	(400 MHz, CHLOROFORM-d) d ppm 7.08 (s, 1 H) 7.00 (d, J=4.78 Hz, 1 H) 6.92 (s, 1 H) 6.44 (d, J=7.55 Hz, 1 H) 6.29 - 6.38 (m, 2 H) 6.15 - 6.26 (m, 1 H) 5.94 (t, J=7.68 Hz, 1 H) 5.77 - 5.90 (m, 3 H) 5.17 - 5.31 (m, 1 H) 3.41 (d, J=5.79 Hz, 2 H) 1.04 (s, 3 H) 1.01 (s, 3 H) LCMS ESI: 414.20 MH+
167		N-(4-fluoro-3-methylbenzyl)-2-[[[4-methylpyridin-3-yl]amino]sulfonyl]benzamide	(400 MHz, CHLOROFORM-d) d ppm 8.37 (s, 1 H) 8.27 (d, J=4.78 Hz, 1 H) 8.18 (s, 1 H) 7.70 (d, J=7.81 Hz, 1 H) 7.53 - 7.65 (m, 2 H) 7.42 - 7.49 (m, 1 H) 7.24 - 7.31 (m, 1 H) 7.17 - 7.25 (m, 1 H) 7.10 (d, J=5.04 Hz, 1 H) 6.95 - 7.05 (m, 1 H) 6.42 (t, J=5.41 Hz, 1 H) 4.65 (d, J=5.79 Hz, 2 H) 2.31 (s, 3 H) 2.30 (d, J=1.76 Hz, 3 H) LCMS ESI: 414.20 MH+
168		N-(3-chloro-4-fluorobenzyl)-2-[[[4-methylpyridin-3-yl]amino]sulfonyl]benzamide	(400 MHz, CHLOROFORM-d) d ppm 8.27 (d, J=4.78 Hz, 2 H) 8.18 (s, 1 H) 7.70 (d, J=7.81 Hz, 1 H) 7.55 - 7.66 (m, 2 H) 7.45 - 7.52 (m, 2 H) 7.32 - 7.40 (m, 1 H) 7.17 (t, J=8.69 Hz, 1 H) 7.10 (d, J=4.78 Hz, 1 H) 6.52 (s, 1 H) 4.68 (d, J=5.79 Hz, 2 H) 2.30 (s, 3 H) LCMS ESI: 434.15 MH+
169		2-[[[4-methylpyridin-3-yl]amino]sulfonyl]-N-[4-(methylsulfonyl)benzyl]benzamide	(400 MHz, CHLOROFORM-d) d ppm 8.26 (d, J=5.04 Hz, 2 H) 8.16 (s, 1 H) 7.90 (d, J=8.31 Hz, 2 H) 7.60 - 7.70 (m, 5 H) 7.44 - 7.54 (m, 1 H) 7.09 (d, J=5.04 Hz, 1 H) 6.89 (t, J=6.17 Hz, 1 H) 4.82 (d, J=6.04 Hz, 2 H) 3.03 (s, 3 H) 2.28 (s, 3 H) LCMS ESI: 460.20 MH+
170		N-(2-methoxyethyl)-N-methyl-2-[[[4-methylpyridin-3-yl]amino]sulfonyl]benzamide	(400 MHz, CHLOROFORM-d) d ppm 8.27 (d, J=4.78 Hz, 1 H) 8.15 (s, 1 H) 7.76 (s, 1 H) 7.53 - 7.66 (m, 2 H) 7.32 - 7.54 (m, 2 H) 7.07 (d, J=5.04 Hz, 1 H) 3.56 - 3.86 (m, 3 H) 3.29 - 3.54 (m, 4 H) 3.22 (s, 1 H) 3.03 (s, 2 H) 2.24 (d, J=2.01 Hz, 3 H) LCMS ESI: 364.20 MH+
171		2-[[[4-methylpyridin-3-yl]amino]sulfonyl]-N-(2-phenoxyethyl)benzamide	(400 MHz, CHLOROFORM-d) d ppm 8.34 (s, 1 H) 8.28 (d, J=4.78 Hz, 1 H) 8.20 (s, 1 H) 7.71 (d, J=7.81 Hz, 1 H) 7.54 - 7.66 (m, 2 H) 7.43 - 7.53 (m, 1 H) 7.28 - 7.35 (m, 2 H) 7.10 (d, J=4.78 Hz, 1 H) 7.00 (t, J=7.43 Hz, 1 H) 6.90 - 6.97 (m, 2 H) 6.62 (s, 1 H) 4.23 (t, J=5.04 Hz, 2 H) 3.96 (q, J=5.46 Hz, 2 H) 2.30 (s, 3 H) LCMS ESI: 412.20 MH+

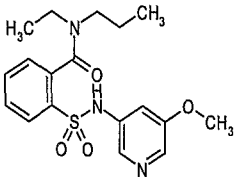
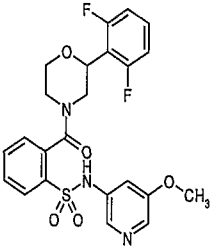
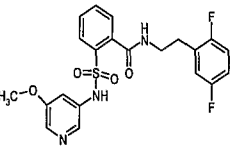
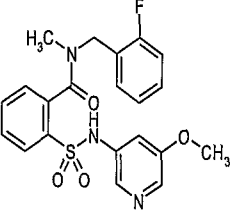
172		N-(3,4-difluorobenzyl)-N-methyl-2-(((4-methylpyridin-3-yl)amino)sulfonyl)benzamide	(400 MHz, CHLOROFORM-d) d ppm 8.30 (s, 1 H) 8.18 (s, 1 H) 7.71 - 7.81 (m, 1 H) 7.53 - 7.67 (m, 2 H) 7.37 - 7.49 (m, 2 H) 7.01 - 7.36 (m, 4 H) 4.31 - 4.98 (m, 2 H) 3.08 (s, 1 H) 2.88 (s, 2 H) 2.27 (s, 3 H) LCMS ESI: 432.20 MH+
173		2-(((5-methoxypyridin-3-yl)amino)sulfonyl)-N-methyl-N-(2-phenoxyethyl)benzamide	(400 MHz, CHLOROFORM-d) d ppm 8.07 (d, J=2.27 Hz, 1 H) 7.92 - 7.99 (m, 1 H) 7.83 - 7.92 (m, 1 H) 7.64 (d, J=8.06 Hz, 1 H) 7.48 - 7.59 (m, 2 H) 7.28 - 7.40 (m, 3 H) 7.18 (t, J=2.27 Hz, 1 H) 6.93 - 7.03 (m, 2 H) 6.87 (d, J=8.56 Hz, 1 H) 3.82 - 4.44 (m, 3 H) 3.77 - 3.81 (m, 3 H) 3.51 - 3.76 (m, 1 H) 3.28 (s, 1 H) 3.08 (s, 2 H) LCMS ESI: 442.20 MH+
174		N-(2-methoxyethyl)-2-(((4-methylpyridin-3-yl)amino)sulfonyl)benzamide	(400 MHz, CHLOROFORM-d) d ppm 8.42 (s, 1 H) 8.27 (d, J=4.78 Hz, 1 H) 8.18 (s, 1 H) 7.71 (d, J=7.81 Hz, 1 H) 7.57 - 7.65 (m, 2 H) 7.42 - 7.51 (m, 1 H) 7.08 (d, J=4.78 Hz, 1 H) 6.61 (s, 1 H) 3.67 - 3.76 (m, 2 H) 3.64 (t, J=5.04 Hz, 2 H) 3.35 - 3.43 (m, 3 H) 2.29 (s, 3 H) LCMS ESI: 350.15 MH+
175		N-(3-chloro-2-fluorobenzyl)-2-(((5-methoxypyridin-3-yl)amino)sulfonyl)benzamide	(400 MHz, DMSO-d6) d ppm 9.87 (s, 1 H), 9.31 (s, 1 H), 7.98 (d, J=2.53 Hz, 1 H), 7.92 (d, J=2.02 Hz, 1 H), 7.78 - 7.83 (m, 1 H), 7.67 - 7.74 (m, 1 H), 7.60 (t, J=7.20 Hz, 2 H), 7.52 (t, J=7.45 Hz, 2 H), 7.24 (t, J=7.83 Hz, 1 H), 7.11 (t, J=2.27 Hz, 1 H), 4.57 (d, J=5.56 Hz, 2 H), 3.74 (s, 3 H)
176		N-(2-hydroxyethyl)-2-(((5-methoxypyridin-3-yl)amino)sulfonyl)benzamide	(400 MHz, DMSO-d6) d ppm 9.89 (s, 1 H) 8.70 (t, J=5.54 Hz, 1 H) 7.99 (d, J=2.52 Hz, 1 H) 7.91 (d, J=2.01 Hz, 1 H) 7.76 - 7.83 (m, 1 H) 7.65 - 7.73 (m, 1 H) 7.53 - 7.62 (m, 2 H) 7.11 (t, J=2.39 Hz, 1 H) 4.87 (s, 1 H) 3.76 (s, 3 H) 3.57 (t, J=6.29 Hz, 2 H) 3.32 - 3.41 (m, 2 H) LCMS ESI: 352.20 MH+

177		N-[2-(2-methylphenyl)ethyl]-2-[[4-methylpyridin-3-yl]amino]sulfonylbenzamide	(400 MHz, CHLOROFORM-d) d ppm 8.43 (s, 1 H) 8.26 (d, J=5.04 Hz, 1 H) 8.17 (s, 1 H) 7.67 (d, J=7.81 Hz, 1 H) 7.52 - 7.61 (m, 1 H) 7.38 - 7.49 (m, 2 H) 7.22 - 7.29 (m, 1 H) 7.12 - 7.22 (m, 3 H) 7.09 (d, J=5.04 Hz, 1 H) 6.23 (s, 1 H) 3.76 (q, J=7.05 Hz, 2 H) 3.03 (t, J=7.05 Hz, 2 H) 2.39 (s, 3 H) 2.30 (s, 3 H) LCMS ESI: 410.20 MH+
178		N-(tert-butyl)-2-[[4-methylpyridin-3-yl]amino]sulfonylbenzamide	(400 MHz, CHLOROFORM-d) d ppm 8.37 (s, 1 H) 8.27 (d, J=4.78 Hz, 1 H) 8.12 (s, 1 H) 7.65 (d, J=7.81 Hz, 1 H) 7.50 - 7.63 (m, 2 H) 7.37 - 7.47 (m, 1 H) 7.09 (d, J=4.78 Hz, 1 H) 5.91 (s, 1 H) 2.30 (s, 3 H) 1.48 - 1.57 (m, 9 H) LCMS ESI: 348.20 MH+
179		N-(3-methylbutyl)-2-[[4-methylpyridin-3-yl]amino]sulfonylbenzamide	(400 MHz, CHLOROFORM-d) d ppm 8.43 (s, 1 H) 8.27 (d, J=5.04 Hz, 1 H) 8.18 (s, 1 H) 7.69 (d, J=8.06 Hz, 1 H) 7.58 - 7.64 (m, 1 H) 7.52 - 7.57 (m, 1 H) 7.41 - 7.50 (m, 1 H) 7.09 (d, J=5.04 Hz, 1 H) 6.08 (s, 1 H) 3.51 - 3.59 (m, 2 H) 2.30 (s, 3 H) 1.68 - 1.81 (m, 1 H) 1.50 - 1.68 (m, 2 H) 0.99 (d, J=6.55 Hz, 6 H) LCMS ESI: 362.20 MH+
180		N-(2,6-difluoro-3-methylbenzyl)-2-[[5-methoxypyridin-3-yl]amino]sulfonylbenzamide	(400 MHz, DMSO-d6) d ppm 9.84 (s, 1 H), 9.16 (t, J=4.42 Hz, 1 H), 7.98 (d, J=2.78 Hz, 1 H), 7.90 (d, J=2.02 Hz, 1 H), 7.76 (d, J=7.83 Hz, 1 H), 7.66 (td, J=7.58, 1.26 Hz, 1 H), 7.56 (td, J=7.71, 1.52 Hz, 1 H), 7.43 (dd, J=7.58, 1.01 Hz, 1 H), 7.24 - 7.32 (m, 1 H), 7.12 (t, J=2.27 Hz, 1 H), 7.01 (t, J=8.84 Hz, 1 H), 4.54 (d, J=5.05 Hz, 2 H), 3.76 (s, 3 H), 2.22 (s, 3 H)
181		N-(2,3-difluorobenzyl)-2-[[5-methoxypyridin-3-yl]amino]sulfonylbenzamide	(400 MHz, DMSO-d6) d ppm 9.85 (s, 1 H), 9.32 (t, J=4.80 Hz, 1 H), 7.98 (d, J=2.53 Hz, 1 H), 7.91 (d, J=2.02 Hz, 1 H), 7.81 (d, J=7.83 Hz, 1 H), 7.66 - 7.73 (m, 1 H), 7.56 - 7.62 (m, 2 H), 7.31 - 7.39 (m, 2 H), 7.17 - 7.24 (m, 1 H), 7.11 (t, J=2.40 Hz, 1 H), 4.58 (d, J=5.81 Hz, 2 H), 3.72 - 3.76 (m, 3 H)

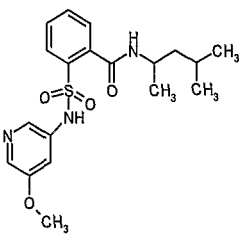
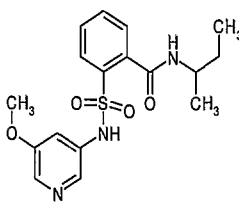
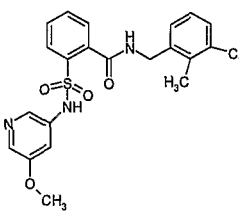
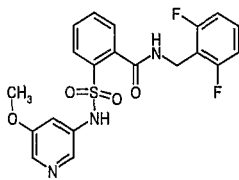
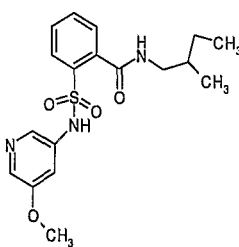
182		N-[1-(4-chlorophenyl)ethyl]-2-[[[5-methoxypyridin-3-yl]amino]sulfonyl]benzamide	(400 MHz, DMSO-d ₆) d ppm 9.82 (s, 1 H), 9.22 (d, J=8.08 Hz, 1 H), 7.98 (d, J=2.53 Hz, 1 H), 7.91 (d, J=2.27 Hz, 1 H), 7.80 (s, 1 H), 7.78 (d, J=1.01 Hz, 1 H), 7.70 (td, J=7.45, 1.26 Hz, 1 H), 7.52 - 7.61 (m, 2 H), 7.39 - 7.49 (m, 4 H), 7.11 (t, J=2.40 Hz, 1 H), 5.18 (qd, J=7.24, 7.07 Hz, 1 H), 3.74 (s, 3 H), 1.44 (d, J=6.82 Hz, 3 H)
183		N-(2-chloro-4-fluorobenzyl)-2-[[[5-methoxypyridin-3-yl]amino]sulfonyl]benzamide	(400 MHz, DMSO-d ₆) d ppm 9.84 (s, 1 H), 9.27 - 9.36 (m, 1 H), 7.98 (d, J=2.53 Hz, 1 H), 7.92 (d, J=2.02 Hz, 1 H), 7.83 (d, J=6.82 Hz, 1 H), 7.81 (s, 1 H), 7.72 (td, J=7.45, 1.26 Hz, 1 H), 7.58 - 7.66 (m, 2 H), 7.48 (dd, J=8.84, 2.53 Hz, 1 H), 7.25 (td, J=8.53, 2.65 Hz, 1 H), 7.12 (t, J=2.40 Hz, 1 H), 4.54 (d, J=5.56 Hz, 2 H), 3.75 (s, 3 H)
184		N-(3,5-difluorobenzyl)-2-[[[5-methoxypyridin-3-yl]amino]sulfonyl]benzamide	(400 MHz, DMSO-d ₆) d ppm 9.88 (s, 1 H), 9.33 (t, J=5.81 Hz, 1 H), 7.99 (d, J=2.53 Hz, 1 H), 7.93 (d, J=2.02 Hz, 1 H), 7.82 (d, J=7.83 Hz, 1 H), 7.72 (td, J=7.45, 1.01 Hz, 1 H), 7.63 (dd, J=7.71, 6.19 Hz, 2 H), 7.59 (d, J=1.52 Hz, 1 H), 7.09 - 7.19 (m, 3 H), 4.55 (d, J=5.81 Hz, 2 H), 3.74 (s, 3 H)
185		N-(2,3-dichlorobenzyl)-2-[[[5-methoxypyridin-3-yl]amino]sulfonyl]benzamide	(400 MHz, DMSO-d ₆) d ppm 10.03 (s, 1 H), 9.34 (t, J=5.81 Hz, 1 H), 8.04 (s, 1 H), 7.97 (s, 1 H), 7.86 (d, J=7.83 Hz, 1 H), 7.74 (td, J=7.45, 1.26 Hz, 1 H), 7.62 - 7.68 (m, 2 H), 7.54 - 7.61 (m, 2 H), 7.39 (t, J=7.83 Hz, 1 H), 7.21 (d, J=2.02 Hz, 1 H), 4.60 (d, J=5.56 Hz, 2 H), 4.58 (s, 1 H), 3.73 - 3.78 (m, 3 H)
186		N-(2-methoxybenzyl)-2-[[[5-methoxypyridin-3-yl]amino]sulfonyl]benzamide	(400 MHz, CHLOROFORM-d) d ppm 9.49 (s, 1 H), 8.13 (d, J=1.77 Hz, 1 H), 8.04 (d, J=2.53 Hz, 1 H), 7.80 (d, J=7.58 Hz, 1 H), 7.79 (s, 1 H), 7.64 (d, J=1.26 Hz, 1 H), 7.58 - 7.63 (m, 2 H), 7.55 (s, 1 H), 7.51 (qd, J=7.62, 1.14 Hz, 1 H), 7.40 (dd, J=7.45, 1.64 Hz, 1 H), 7.34 (td, J=7.83, 1.77 Hz, 1 H), 6.97 - 7.02 (m, 1 H), 6.95 (d, J=8.08 Hz, 1 H), 6.80 (t, J=5.68 Hz, 1 H), 4.71 (d, J=5.81 Hz, 2 H), 3.87 - 3.92 (m, 6 H)

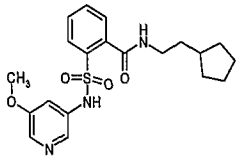
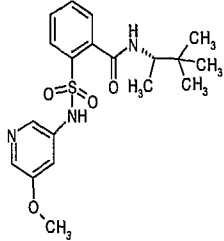
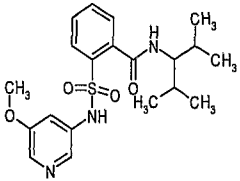
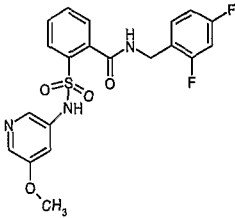
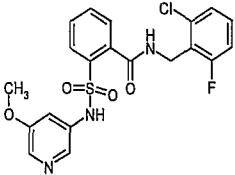
187		N-cyclohexyl-2-(((5-methoxypyridin-3-yl)amino)sulfonyl)benzamide	(400 MHz, CHLOROFORM-d) d ppm 1.17 - 1.28 (m, 3 H) 1.33 - 1.45 (m, 2 H) 1.59 (d, J=4.04 Hz, 1 H) 1.67 - 1.77 (m, 2 H) 2.04 (s, 2 H) 3.75 (s, 3 H) 3.90 - 3.99 (m, 1 H) 5.91 (s, 1 H) 7.21 (t, J=2.27 Hz, 1 H) 7.36 (td, J=7.58, 1.52 Hz, 1 H) 7.41 - 7.47 (m, 1 H) 7.50 (td, J=7.45, 1.26 Hz, 1 H) 7.65 (d, J=7.83 Hz, 1 H) 7.91 (s, 1 H) 7.98 (d, J=2.27 Hz, 1 H) 8.67 (s, 1 H)
188		N-[(2-hydroxy-2-adamantyl)methyl]-2-(((5-methoxypyridin-3-yl)amino)sulfonyl)benzamide	(400 MHz, DMSO-d6) d ppm 1.45 (d, J=11.62 Hz, 2 H) 1.62 - 1.71 (m, 4 H) 1.74 - 1.83 (m, 4 H) 1.95 (d, J=12.63 Hz, 2 H) 2.21 (d, J=11.12 Hz, 2 H) 3.61 (d, J=5.81 Hz, 2 H) 3.76 (s, 3 H) 4.39 (s, 1 H) 5.76 (s, 1 H) 7.11 (s, 1 H) 7.55 - 7.62 (m, 2 H) 7.70 (t, J=7.20 Hz, 1 H) 7.79 (d, J=7.83 Hz, 1 H) 7.91 (s, 1 H) 7.99 (s, 1 H) 8.41 (s, 1 H) 9.87 (s, 1 H)
189		N-[1-(hydroxymethyl)pentyl]-2-(((5-methoxypyridin-3-yl)amino)sulfonyl)benzamide	(400 MHz, DMSO-d6) d ppm 0.76 (t, J=6.95 Hz, 3 H) 1.16 - 1.25 (m, 3 H) 1.28 (d, J=6.32 Hz, 1 H) 1.45 - 1.55 (m, 1 H) 3.24 - 3.32 (m, 1 H) 3.34 - 3.45 (m, 1 H) 3.63 (s, 3 H) 3.81 (d, J=4.55 Hz, 1 H) 4.74 (s, 1 H) 6.97 (s, 1 H) 7.44 (t, J=7.20 Hz, 2 H) 7.56 (d, J=7.33 Hz, 1 H) 7.65 (d, J=7.33 Hz, 1 H) 7.77 (s, 1 H) 7.86 (s, 1 H) 8.36 (s, 1 H) 9.72 (s, 1 H)
190		N-[(1S)-2-cyclohexyl-1-(hydroxymethyl)ethyl]-2-(((5-methoxypyridin-3-yl)amino)sulfonyl)benzamide	(400 MHz, CHLOROFORM-d) d ppm 0.92 - 1.04 (m, 2 H) 1.22 - 1.31 (m, 3 H) 1.42 - 1.53 (m, 3 H) 1.66 - 1.78 (m, 5 H) 1.89 (d, J=12.38 Hz, 1 H) 3.69 (dd, J=11.37, 6.06 Hz, 1 H) 3.83 (s, 3 H) 4.00 (dd, J=11.37, 3.54 Hz, 1 H) 4.38 (s, 1 H) 6.37 (d, J=8.59 Hz, 1 H) 7.45 - 7.53 (m, 1 H) 7.55 - 7.65 (m, 2 H) 7.81 (d, J=7.83 Hz, 1 H) 8.01 (dd, J=12.00, 2.15 Hz, 2 H)

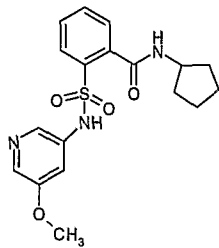
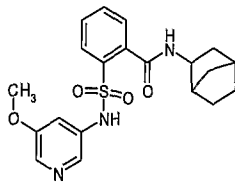
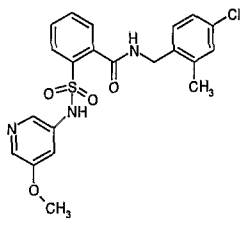
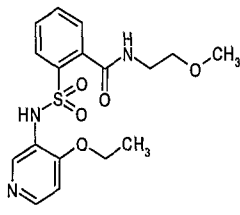
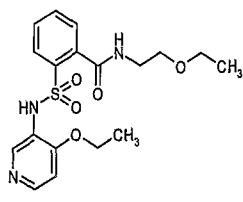
191		N-[2-(2,4-difluorophenyl)ethyl]-2-[[[(5-methoxypyridin-3-yl)amino]sulfonyl]benzamide	(400 MHz, CHLOROFORM-D) d ppm 8.59 (bs, 1 H) 8.02 (d, J=2.78 Hz, 1 H) 7.92 (d, J=2.27 Hz, 1 H) 7.68 (d, J=7.83 Hz, 1 H) 7.50 - 7.57 (m, 1 H) 7.37 - 7.45 (m, 2 H) 7.28 - 7.35 (m, 1 H) 7.18 - 7.22 (m, 1 H) 6.79 - 6.87 (m, 2 H) 6.40 (m, 1 H) 3.81 (s, 3 H) 3.74 (q, J=6.65 Hz, 2 H) 3.02 (t, J=6.69 Hz, 2 H)
192		N-(3-chlorobenzyl)-2-[[[(5-methoxypyridin-3-yl)amino]sulfonyl]benzamide	(400 MHz, CHLOROFORM-d) d ppm 3.84 (s, 3 H) 4.71 (d, J=5.81 Hz, 2 H) 6.48 (s, 1 H) 7.28 - 7.31 (m, 1 H) 7.31 - 7.37 (m, 3 H) 7.43 (s, 1 H) 7.44 - 7.51 (m, 1 H) 7.53 - 7.63 (m, 2 H) 7.76 (d, J=7.58 Hz, 1 H) 7.98 (d, J=1.77 Hz, 1 H) 8.07 (d, J=2.27 Hz, 1 H) 8.61 (s, 1 H)
193		N-(1-ethylpropyl)-2-[[[(5-methoxypyridin-3-yl)amino]sulfonyl]benzamide	(400 MHz, CHLOROFORM-d) d ppm 9.45 (s, 1 H), 8.10 (s, 1 H), 8.03 (d, J=2.53 Hz, 1 H), 7.73 - 7.82 (m, 1 H), 7.55 - 7.65 (m, 3 H), 7.47 - 7.53 (m, 1 H), 6.08 (d, J=8.84 Hz, 1 H), 4.00 - 4.09 (m, 1 H), 3.91 (s, 3 H), 1.68 - 1.79 (m, 2 H), 1.53 - 1.64 (m, 2 H), 1.03 - 1.08 (m, 6 H)
194		2-[[[(3R,3aR,5R,6aR,7R)-7-(methoxymethyl)hexahydro-3,5-methanocyclopenta[b]pyrrol-1(2H)-yl]carbonyl]-N-(5-methoxypyridin-3-yl)benzenesulfonamide	(400 MHz, CHLOROFORM-d) d ppm 1.17 (d, J=11.62 Hz, 1 H), 1.35 (d, J=10.61 Hz, 1 H), 1.56 - 1.70 (m, 2 H), 1.80 (s, 1 H), 2.01 (s, 1 H), 2.05 - 2.14 (m, 1 H), 2.61 - 2.67 (m, 1 H), 3.02 - 3.11 (m, 1 H), 3.19 - 3.23 (m, 2 H), 3.23 - 3.28 (m, 1 H), 3.30 (s, 1 H), 3.35 (d, J=7.58 Hz, 1 H), 3.42 (s, 1 H), 3.71 - 3.76 (m, 2 H), 4.30 (s, 1 H), 7.15 - 7.18 (m, 1 H), 7.27 - 7.33 (m, 1 H), 7.33 - 7.38 (m, 1 H), 7.44 - 7.53 (m, 1 H), 7.59 (d, J=8.08 Hz, 1 H), 7.88 - 7.96 (m, 1 H), 7.99 (d, J=2.27 Hz, 1 H), 8.29 (s, 1 H)

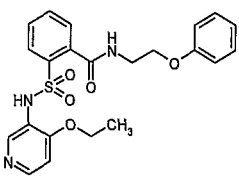
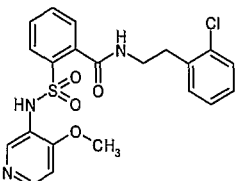
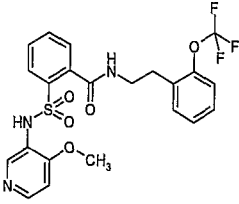
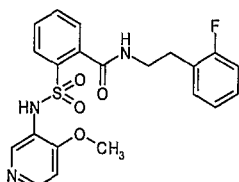
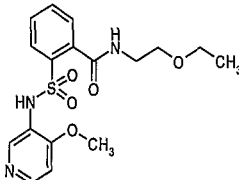
195		N-ethyl-2-([(5-methoxypyridin-3-yl)amino]sulfonyl)-N-propylbenzamide	(400 MHz, CHLOROFORM-d) d ppm 0.81 (t, J=7.45 Hz, 1 H), 1.06 (t, J=7.45 Hz, 1 H), 1.18 (t, J=7.20 Hz, 1 H), 1.35 (t, J=7.07 Hz, 1 H), 1.52 - 1.65 (m, 1 H), 1.66 - 1.92 (m, 2 H), 3.02 - 3.12 (m, 1 H), 3.14 - 3.27 (m, 1 H), 3.28 - 3.39 (m, 1 H), 3.47 - 3.60 (m, 1 H), 3.68 - 3.77 (m, 1 H), 3.83 (s, 2 H), 7.26 (t, J=2.15 Hz, 1 H), 7.36 - 7.45 (m, 2 H), 7.59 (t, J=7.58 Hz, 1 H), 7.64 - 7.69 (m, 1 H), 8.00 (s, 1 H), 8.09 (s, 1 H), 8.15 (d, J=10.36 Hz, 1 H)
196		2-([(2-(2,6-difluorophenyl)morpholin-4-yl)carbonyl]-N-(5-methoxypyridin-3-yl)benzenesulfonamide	(400 MHz, CHLOROFORM-d) d ppm 3.24 - 3.36 (m, 1 H), 3.38 - 3.51 (m, 1 H), 3.53 - 3.64 (m, 1 H), 3.84 (d, J=1.26 Hz, 1 H), 3.85 (s, 1 H), 3.89 - 3.94 (m, 1 H), 3.96 - 4.01 (m, 1 H), 4.02 - 4.07 (m, 1 H), 4.15 (dd, J=11.37, 3.54 Hz, 1 H), 4.29 (dd, J=12.13, 3.03 Hz, 1 H), 4.52 - 4.63 (m, 1 H), 4.81 (dd, J=12.88, 2.02 Hz, 1 H), 4.93 - 5.06 (m, 1 H), 5.09 - 5.19 (m, 1 H), 6.87 (q, J=8.25 Hz, 1 H), 6.94 - 7.01 (m, 1 H), 7.30 - 7.37 (m, 1 H), 7.38 - 7.52 (m, 1 H), 7.54 - 7.61 (m, 1 H), 7.61 - 7.66 (m, 1 H), 7.68 - 7.74 (m, 1 H), 7.97 - 8.03 (m, 1 H), 8.08 - 8.15 (m, 1 H)
197		N-[2-(2,5-difluorophenyl)ethyl]-2-([(5-methoxypyridin-3-yl)amino]sulfonyl)benzamide	(400 MHz, CHLOROFORM-D) d ppm 8.57 (bs, 1 H) 8.02 (d, J=2.53 Hz, 1 H) 7.91 (d, J=2.27 Hz, 1 H) 7.67 (dd, J=7.83, 1.01 Hz, 1 H) 7.54 (td, J=7.58, 1.26 Hz, 1 H) 7.43 (m, 1 H) 7.40 (m, 1 H) 7.15 - 7.22 (m, 1 H) 7.06 (m, 1 H) 6.98 - 7.03 (m, 1 H) 6.87 - 6.96 (m, 1 H) 6.48 (m, 1 H) 3.80 (s, 3 H) 3.76 (q, J=6.74 Hz, 2 H) 3.03 (t, J=6.69 Hz, 2 H)
198		N-(2-fluorobenzyl)-2-([(5-methoxypyridin-3-yl)amino]sulfonyl)-N-methylbenzamide	(400 MHz, CHLOROFORM-d) d ppm 2.91 (s, 2.1 H), 3.13 (s, 1 H), 3.84 (s, 3 H), 4.40 - 4.50 (m, 0.4 H), 4.56 - 4.65 (m, 0.3 H), 4.72 - 4.82 (m, 0.7 H), 5.03 - 5.16 (m, 0.6 H), 7.04 - 7.18 (m, 1.2 H), 7.20 - 7.27 (m, 1.3 H), 7.31 - 7.48 (m, 3.5 H), 7.52 - 7.65 (m, 1.9 H), 7.67 - 7.73 (m, 1 H), 7.97 - 8.06 (m, 1.3 H), 8.10 (d, J=2.27 Hz, 1.6 H)

199		N-[1-(4-chlorobenzyl)-2-hydroxyethyl]-2-[[5-methoxypyridin-3-yl]amino]sulfonylbenzamide	(400 MHz, DMSO-d ₆) d ppm 2.71 (s, 1 H) 2.93 (s, 1 H) 3.39 (s, 1 H) 3.51 (s, 1 H) 3.70 (s, 3 H) 4.10 (s, 1 H) 4.99 (s, 1 H) 7.04 (s, 1 H) 7.25 - 7.35 (m, 5 H) 7.48 - 7.56 (m, 1 H) 7.63 (t, J=7.45 Hz, 1 H) 7.74 (d, J=7.83 Hz, 1 H) 7.85 (s, 1 H) 7.93 (s, 1 H) 8.59 (s, 1 H) 9.81 (s, 1 H)
200		N-(cyclohexylmethyl)-2-[[5-methoxypyridin-3-yl]amino]sulfonylbenzamide	(400 MHz, CHLOROFORM-d) d ppm 9.79 (s, 1 H), 8.09 - 8.20 (m, 1 H), 8.03 (d, J=2.27 Hz, 1 H), 7.75 - 7.83 (m, 1 H), 7.58 - 7.68 (m, 2 H), 7.49 - 7.55 (m, 1 H), 6.50 (d, J=4.80 Hz, 1 H), 3.96 (s, 3 H), 3.32 - 3.40 (m, 2 H), 1.76 - 1.87 (m, 4 H), 1.67 - 1.74 (m, J=10.80, 7.33, 3.69, 3.69 Hz, 2 H), 1.22 - 1.33 (m, 3 H), 1.00 - 1.11 (m, 2 H)
201		N-2-adamantyl-2-[[5-methoxypyridin-3-yl]amino]sulfonylbenzamide	(400 MHz, CHLOROFORM-d) d ppm 1.23 - 1.29 (m, 1 H) 1.61 (s, 1 H) 1.73 - 1.81 (m, 4 H) 1.84 (s, 3 H) 2.04 (s, 1 H) 2.18 (s, 2 H) 3.80 (s, 3 H) 4.28 (s, 1 H) 6.38 (m, 1 H) 7.21 - 7.24 (m, 1 H) 7.42 (s, 1 H) 7.44 (d, J=7.83 Hz, 1 H) 7.56 (d, J=1.52 Hz, 1 H) 7.57 (dd, J=7.07, 1.26 Hz, 1 H) 7.71 (d, J=7.83 Hz, 1 H) 7.95 (d, J=2.02 Hz, 1 H) 8.05 (d, J=2.53 Hz, 1 H) 8.61 (s, 1 H)
202		2-[[5-methoxypyridin-3-yl]amino]sulfonyl-N-(3-methylcyclohexyl)benzamide	(400 MHz, CHLOROFORM-d) d ppm 9.71 (s, 1 H), 8.11 - 8.20 (m, 1 H), 8.04 (d, J=2.27 Hz, 1 H), 7.81 (dd, J=5.81, 2.78 Hz, 1 H), 7.79 (s, 1 H), 7.71 (d, J=2.27 Hz, 1 H), 7.56 - 7.68 (m, 2 H), 7.49 - 7.54 (m, 1 H), 6.23 (t, J=6.69 Hz, 1 H), 3.91 - 4.02 (m, 3 H), 2.16 (d, J=2.02 Hz, 1 H), 2.14 (d, J=4.04 Hz, 1 H), 1.79 - 1.90 (m, 1 H), 1.71 (s, 1 H), 1.60 (s, 1 H), 1.58 (d, J=2.02 Hz, 1 H), 1.40 - 1.52 (m, 1 H), 0.94 - 1.01 (m, 3 H), 0.83 - 0.94 (m, 1 H)
203		N-(2-chloro-4-cyanobenzyl)-2-[[5-methoxypyridin-3-yl]amino]sulfonylbenzamide	(400 MHz, CHLOROFORM-d) d ppm 3.80 (s, 3 H) 4.83 (d, J=6.06 Hz, 2 H) 7.00 - 7.08 (m, 1 H) 7.18 (m, 1 H) 7.39 - 7.46 (m, 1 H) 7.55 - 7.64 (m, 3 H) 7.67 - 7.73 (m, 2 H) 7.77 (m, 1 H) 7.86 (d, J=2.02 Hz, 1 H) 8.01 (d, J=2.53 Hz, 1 H)

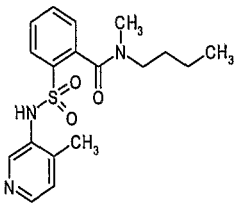
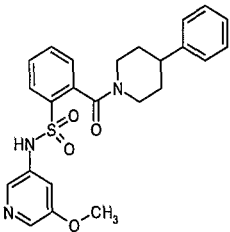
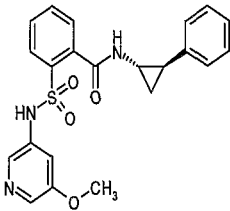
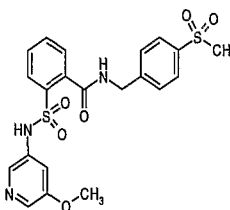
204		N-(1,3-dimethylbutyl)-2-((5-methoxypyridin-3-yl)amino)sulfonylbenzamide	(400 MHz, DMSO-d ₆) d ppm 9.75 (s, 1 H), 8.59 (d, J=8.08 Hz, 1 H), 8.00 (d, J=2.53 Hz, 1 H), 7.91 (d, J=2.02 Hz, 1 H), 7.74 (d, J=7.83 Hz, 1 H), 7.69 (t, J=7.07 Hz, 1 H), 7.56 (t, J=7.20 Hz, 1 H), 7.49 (d, J=7.33 Hz, 1 H), 7.12 (t, J=2.40 Hz, 1 H), 4.05 - 4.15 (m, 1 H), 3.76 (s, 3 H) 1.68 - 1.79 (m, 1 H), 1.45 - 1.55 (m, 1 H), 1.23 (ddd, J=13.58, 8.40, 5.56 Hz, 1 H), 1.15 (d, J=6.57 Hz, 3 H), 0.91 (dd, J=9.60, 6.57 Hz, 6 H)
205		N-(sec-butyl)-2-((5-methoxypyridin-3-yl)amino)sulfonylbenzamide	(400 MHz, CHLOROFORM-d) d ppm 1.04 (m, 3 H) 1.31 (m, 3 H) 1.66 (m, 2 H) 3.80 (s, 3 H) 4.08 - 4.19 (m, 1 H) 6.02 (m, 1 H) 7.21 (m, 1 H) 7.38 - 7.46 (m, 1 H) 7.49 - 7.58 (m, 2 H) 7.70 (m, 1 H) 7.94 (m, 1 H) 8.04 (m, 1 H) 8.64 (s, 1 H)
206		N-(3-chloro-2-methylbenzyl)-2-((5-methoxypyridin-3-yl)amino)sulfonylbenzamide	(400 MHz, CHLOROFORM-d) d ppm 7.98 (s, 2 H), 7.75 (d, J=8.08 Hz, 1 H), 7.56 - 7.63 (m, 2 H), 7.44 - 7.50 (m, 1 H), 7.41 (s, 1 H), 7.33 (dd, J=11.62, 7.83 Hz, 2 H), 7.16 (t, J=7.71 Hz, 1 H), 6.73 (s, 1 H), 4.73 (d, J=5.56 Hz, 2 H), 3.86 (s, 3 H), 2.47 (s, 3 H)
207		N-(2,6-difluorobenzyl)-2-((5-methoxypyridin-3-yl)amino)sulfonylbenzamide	(400 MHz, CHLOROFORM-d) d ppm 3.81 (s, 3 H) 4.74 (d, J=6.06 Hz, 2 H) 6.5 (m, 1 H) 6.98 - 7.10 (m, 2 H) 7.16 - 7.23 (m, 1 H) 7.45 (m, 1 H) 7.52 - 7.61 (m, 3 H) 7.74 (d, J=7.83 Hz, 1 H) 7.94 (d, J=2.27 Hz, 1 H) 8.06 (d, J=2.78 Hz, 1 H)
208		2-((5-methoxypyridin-3-yl)amino)sulfonyl-N-(2-methylbutyl)benzamide	(400 MHz, DMSO-d ₆) d ppm 9.77 (s, 1 H), 8.76 (t, J=5.56 Hz, 1 H), 8.00 (d, J=2.53 Hz, 1 H), 7.91 (d, J=2.02 Hz, 1 H), 7.76 (d, J=7.83 Hz, 1 H), 7.69 (t, J=7.45 Hz, 1 H), 7.51 - 7.59 (m, 2 H), 7.12 (t, J=2.27 Hz, 1 H), 3.76 (s, 3 H), 3.21 (ddd, J=12.88, 6.32, 6.06 Hz, 1 H), 3.08 (dt, J=13.14, 6.57 Hz, 1 H), 1.68 (dt, J=19.39, 6.73 Hz, 1 H), 1.41 - 1.52 (m, 1 H), 1.16 (ddd, J=13.89, 7.33, 7.07 Hz, 1 H), 0.89 - 0.93 (m, 6 H)

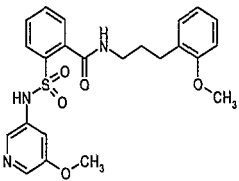
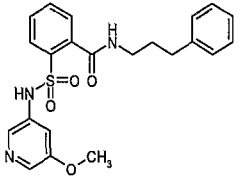
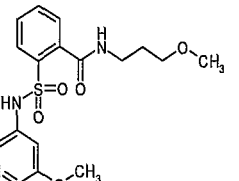
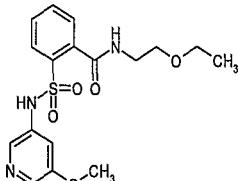
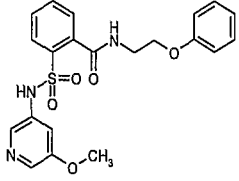
209		N-(2-cyclopentylethyl)-2-(((5-methoxypyridin-3-yl)amino)sulfonyl)benzamide	(400 MHz, CHLOROFORM-d) d ppm 1.18 (dd, J=11.62, 7.58 Hz, 2 H) 1.26 (t, J=7.07 Hz, 1 H) 1.54 - 1.60 (m, 1 H) 1.62 - 1.73 (m, 4 H) 1.81 - 1.92 (m, 3 H) 3.52 (td, J=7.33, 6.06 Hz, 2 H) 3.80 (s, 3 H) 6.28 (m, 1 H) 7.20 (t, J=2.40 Hz, 1 H) 7.40 (td, J=7.52, 1.64 Hz, 1 H) 7.53 (qd, J=7.37, 1.39 Hz, 2 H) 7.68 (d, J=7.07 Hz, 1 H) 7.94 (d, J=2.02 Hz, 1 H) 8.04 (d, J=2.78 Hz, 1 H) 8.66 (s, 1 H)
210		2-(((5-methoxypyridin-3-yl)amino)sulfonyl)-N-[(1S)-122-trimethylpropyl]benzamide	(400 MHz, CHLOROFORM-d) d ppm 8.16 (d, J=2.02 Hz, 1 H), 8.05 (d, J=2.53 Hz, 1 H), 7.81 (s, 1 H), 7.79 (d, J=1.01 Hz, 1 H), 7.70 (s, 1 H), 7.67 (td, J=7.77, 1.64 Hz, 2 H), 7.49 - 7.59 (m, 1 H), 6.13 (d, J=9.85 Hz, 1 H), 4.10 - 4.17 (m, 1 H), 3.94 (s, 3 H), 1.23 - 1.28 (m, 3 H), 1.00 - 1.06 (m, 9 H)
211		N-(1-isopropyl-2-methylpropyl)-2-(((5-methoxypyridin-3-yl)amino)sulfonyl)benzamide	(400 MHz, CHLOROFORM-d) d ppm 0.99 - 1.09 (m, 12H) 1.90 - 2.00 (m, 2 H) 3.81 (s, 3 H) 3.82 - 3.87 (m, 1 H) 5.85 (m, 1H) 7.20 - 7.25 (m, 1 H) 7.26 (s, 1 H) 7.40 - 7.49 (m, 1 H) 7.54 - 7.61 (m, 2 H) 7.76 (d, J=8.08 Hz, 1 H) 7.96 (d, J=2.02 Hz, 1 H) 8.04 (d, J=2.53 Hz, 1 H) 8.76 (s, 1 H)
212		N-(2,4-difluorobenzyl)-2-(((5-methoxypyridin-3-yl)amino)sulfonyl)benzamide	(400 MHz, CHLOROFORM-d) d ppm 8.00 (s, 2 H), 7.74 (d, J=7.83 Hz, 1 H), 7.56 - 7.63 (m, 2 H), 7.51 - 7.54 (m, 1 H), 7.45 - 7.50 (m, 1H), 7.42 (t, J=2.27 Hz, 1 H), 6.89 - 6.95 (m, 2 H), 6.83 - 6.89 (m, 1 H), 4.72 (d, J=6.06 Hz, 2 H), 3.87 (s, 3 H)
213		N-(2-chloro-6-fluorobenzyl)-2-(((5-methoxypyridin-3-yl)amino)sulfonyl)benzamide	(400 MHz, CHLOROFORM-d) d ppm 3.80 (s, 3 H) 4.90 (d, J=5.56 Hz, 2 H) 6.52 (m, 1 H) 7.03 - 7.12 (m, 1 H) 7.21 (m, 1H) 7.25 - 7.33 (m, 1 H) 7.41(td, J=7.58, 1.52 Hz, 1 H) 7.48 - 7.56 (m, 2 H) 7.70 (d, J=7.83 Hz, 1 H) 7.94 (d, J=2.02 Hz, 1 H) 8.04 (d, J=2.53 Hz, 1 H)

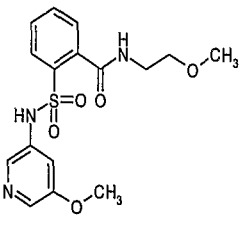
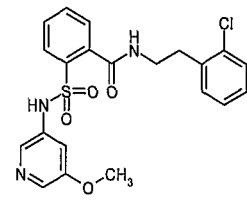
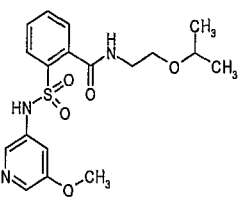
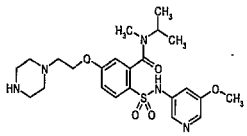
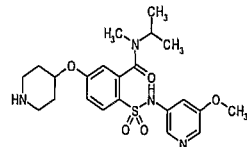
214		N-cyclopentyl-2-((5-methoxypyridin-3-yl)amino)sulfonylbenzamide	(400 MHz, CHLOROFORM-d) d ppm 8.03 - 8.09 (m, 1 H), 7.96 (t, J=1.89 Hz, 1 H), 7.70 (d, J=7.83 Hz, 1 H), 7.48 - 7.59 (m, 2 H), 7.38 - 7.45 (m, 1 H), 7.22 (q, J=2.27 Hz, 1 H), 6.13 (d, J=6.57 Hz, 1 H), 4.43 (td, J=12.69, 5.68 Hz, 1 H), 3.81 (d, J=2.02 Hz, 3 H), 3.58 - 3.65 (m, 1 H), 2.10 - 2.19 (m, 2 H), 1.96 - 2.06 (m, 2 H), 1.83 - 1.94 (m, 1 H), 1.69 - 1.78 (m, 2 H), 1.61 - 1.67 (m, 2 H)
215		N-bicyclo[2.2.1]hept-2-yl-2-((5-methoxypyridin-3-yl)amino)sulfonylbenzamide	(400 MHz, CHLOROFORM-d) d ppm 1.00 - 1.12 (m, 3 H) 1.16 - 1.26 (m, 1 H) 1.27 - 1.36 (m, 1 H) 1.37 - 1.48 (m, 3 H) 1.53 (m, 1 H) 1.58 - 1.67 (m, 1 H) 1.90 - 1.97 (m, 1 H) 2.21 (bs, 1 H) 2.36 (bs, 1 H) 2.47 (m, 1 H) 2.80 (m, 1 H) 3.31 (s, 1 H) 3.80 (s, 3 H) 3.94 (m, 1 H) 6.10 (m, 1 H) 7.20 (t, J=2.40 Hz, 1 H) 7.37 - 7.42 (m, 1 H) 7.47 - 7.51 (m, 1 H) 7.55 (t, J=7.45 Hz, 1 H) 7.68 (d, J=7.83 Hz, 1 H) 7.95 (d, J=2.02 Hz, 1 H) 8.04 (d, J=2.78 Hz, 1 H)
216		N-(4-chloro-2-methylbenzyl)-2-((5-methoxypyridin-3-yl)amino)sulfonylbenzamide	(400 MHz, CHLOROFORM-d) d ppm 7.96 (s, 2 H), 7.73 (d, J=7.58 Hz, 1 H), 7.57 - 7.63 (m, 2 H), 7.47 (td, J=5.43, 2.78 Hz, 1 H), 7.40 (d, J=2.02 Hz, 1 H), 7.33 (d, J=8.08 Hz, 1 H), 7.20 (s, 1 H), 7.15 - 7.19 (m, 1 H), 6.77 (t, J=5.31 Hz, 1 H), 4.66 (d, J=5.56 Hz, 2 H), 3.84 - 3.89 (m, 3 H), 2.41 (s, 3 H)
217		2-((4-ethoxypyridin-3-yl)amino)sulfonyl-N-(2-methoxyethyl)benzamide	(400 MHz, CHLOROFORM-d) d ppm 8.64 (s, 2 H) 8.25 (d, J=5.54 Hz, 1 H) 7.77 (d, J=7.81 Hz, 1 H) 7.51 - 7.67 (m, 2 H) 7.37 - 7.51 (m, 1 H) 6.54 - 6.87 (m, 2 H) 3.88 (q, J=6.88 Hz, 2 H) 3.59 - 3.76 (m, 4 H) 3.29 - 3.44 (m, 3 H) 1.09 - 1.22 (m, 3 H)
218		N-(2-ethoxyethyl)-2-((4-ethoxypyridin-3-yl)amino)sulfonylbenzamide	(400 MHz, CHLOROFORM-d) d ppm 8.65 (s, 2 H) 8.26 (d, J=5.54 Hz, 1 H) 7.76 (d, J=8.31 Hz, 1 H) 7.50 - 7.65 (m, 2 H) 7.30 - 7.49 (m, 1 H) 6.36 - 6.80 (m, 2 H) 3.87 (q, J=6.88 Hz, 2 H) 3.64 - 3.76 (m, 4 H) 3.58 (q, J=6.97 Hz, 2 H) 1.04 - 1.26 (m, 6 H)

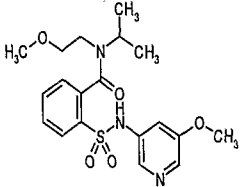
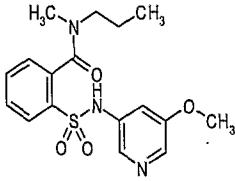
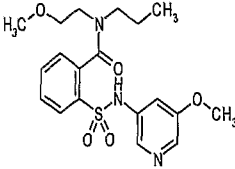
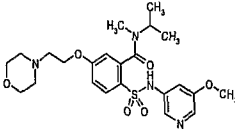
219		2-[[[(4-ethoxypyridin-3-yl)amino]sulfonyl]-N-(2-phenoxyethyl)benzamide	(400 MHz, CHLOROFORM-d) d ppm 8.65 (s, 1 H) 8.60 - 8.60 (m, 1 H) 8.25 (d, J=5.79 Hz, 1 H) 7.77 (d, J=8.06 Hz, 1 H) 7.51 - 7.62 (m, 2 H) 7.38 - 7.49 (m, 1 H) 7.20 - 7.34 (m, 2 H) 6.88 - 7.03 (m, 3 H) 6.64 (d, J=5.54 Hz, 2 H) 4.23 (t, J=5.04 Hz, 2 H) 3.72 - 4.03 (m, 4 H) 0.89 - 1.25 (m, 3 H)
220		N-[2-(2-chlorophenyl)ethyl]-2-[[[(4-methoxypyridin-3-yl)amino]sulfonyl]benzamide	(400 MHz, CHLOROFORM-d) d ppm 8.42 (dd, J=4.66, 1.38 Hz, 1 H) 8.36 (d, J=1.76 Hz, 1 H) 7.42 - 7.52 (m, 1 H) 7.11 - 7.24 (m, 2 H) 6.75 (dd, J=7.43, 5.92 Hz, 2 H) 5.85 (s, 1 H) 4.44 - 4.66 (m, 1 H) 4.03 (q, J=7.05 Hz, 2 H) 2.87 - 3.00 (m, 4 H) 2.34 - 2.49 (m, 2 H) 1.80 - 1.92 (m, 2 H) 1.71 - 1.81 (m, 2 H) 1.31 - 1.44 (m, 3 H) LCMS ESI: 446.10 MH+
221		2-[[[(4-methoxypyridin-3-yl)amino]sulfonyl]-N-[2-(2-(trifluoromethoxy)phenyl)ethyl]benzamide	(400 MHz, CHLOROFORM-d) d ppm 8.63 (s, 1 H) 8.48 - 8.58 (m, 1 H) 8.26 (d, J=5.54 Hz, 1 H) 7.72 - 7.82 (m, 1 H) 7.50 - 7.59 (m, 1 H) 7.39 - 7.47 (m, 3 H) 7.19 - 7.31 (m, 3 H) 6.67 (d, J=5.79 Hz, 1 H) 6.07 - 6.25 (m, 1 H) 3.77 (q, J=6.80 Hz, 2 H) 3.47 - 3.67 (m, 3 H) 3.09 (t, J=6.92 Hz, 2 H)
222		N-[2-(2-fluorophenyl)ethyl]-2-[[[(4-methoxypyridin-3-yl)amino]sulfonyl]benzamide	(400 MHz, CHLOROFORM-d) d ppm 8.63 (s, 1 H) 8.49 - 8.59 (m, 1 H) 8.26 (d, J=5.79 Hz, 1 H) 7.75 - 7.81 (m, 1 H) 7.49 - 7.59 (m, 1 H) 7.39 - 7.46 (m, 2 H) 7.30 - 7.38 (m, 1 H) 7.18 - 7.28 (m, 3 H) 6.98 - 7.14 (m, 2 H) 3.78 (q, J=6.55 Hz, 2 H) 3.54 - 3.63 (m, 3 H) 3.06 (t, J=6.67 Hz, 2 H)
223		N-(2-ethoxyethyl)-2-[[[(4-methoxypyridin-3-yl)amino]sulfonyl]benzamide	(400 MHz, CHLOROFORM-d) d ppm 8.64 (s, 2 H) 8.28 (d, J=5.54 Hz, 1 H) 7.79 (d, J=7.81 Hz, 1 H) 7.51 - 7.69 (m, 2 H) 7.37 - 7.50 (m, 1 H) 6.86 (s, 1 H) 6.67 (d, J=5.54 Hz, 1 H) 3.67 - 3.75 (m, 4 H) 3.52 - 3.63 (m, 5 H) 1.06 - 1.24 (m, 3 H)

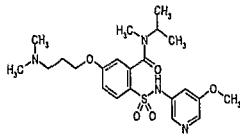
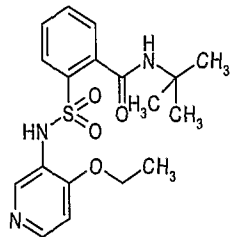
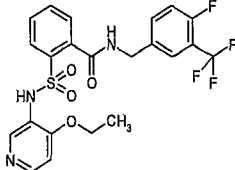
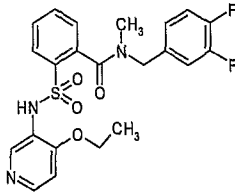
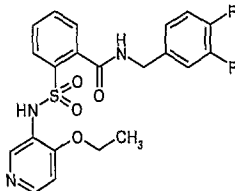
224		2-[[[4-methoxypyridin-3-yl]amino]sulfonyl]-N-(2-phenoxyethyl)benzamide	(400 MHz, CHLOROFORM-d) d ppm 8.63 (s, 1 H) 8.48 (s, 1 H) 8.26 (d, J=5.54 Hz, 1 H) 7.79 (d, J=7.55 Hz, 1 H) 7.53 - 7.63 (m, 2 H) 7.40 - 7.49 (m, 1 H) 7.23 - 7.34 (m, 2 H) 6.88 - 7.01 (m, 3 H) 6.72 - 6.81 (m, 1 H) 6.65 (d, J=5.54 Hz, 1 H) 4.09 - 4.28 (m, 2 H) 3.94 (q, J=5.46 Hz, 2 H) 3.25 - 3.71 (m, 3 H)
225		2-[[[5-methylpyridin-3-yl]amino]sulfonyl]-N-[2-[2-(trifluoromethoxy)phenyl]ethyl]benzamide	(400 MHz, CHLOROFORM-d) d ppm 8.54 (s, 1 H) 8.17 (dd, J=5.29, 1.76 Hz, 2 H) 7.69 (d, J=7.81 Hz, 1 H) 7.49 - 7.57 (m, 1 H) 7.37 - 7.47 (m, 4 H) 7.23 - 7.33 (m, 3 H) 6.22 (t, J=5.92 Hz, 1 H) 3.78 (q, J=6.80 Hz, 2 H) 3.10 (t, J=6.92 Hz, 2 H) 2.28 (s, 3 H)
226		N-[2-(2-chlorophenyl)ethyl]-2-[[[5-methylpyridin-3-yl]amino]sulfonyl]benzamide	(400 MHz, CHLOROFORM-d) d ppm 8.57 (s, 1 H) 8.16 (d, J=4.28 Hz, 2 H) 7.69 (d, J=7.81 Hz, 1 H) 7.53 (t, J=7.43 Hz, 1 H) 7.36 - 7.47 (m, 5 H) 7.11 - 7.26 (m, 2 H) 6.14 - 6.32 (m, 1 H) 3.81 (q, J=6.55 Hz, 2 H) 3.16 (t, J=6.67 Hz, 2 H) 2.28 (s, 3 H)
227		N-[2-(2-fluorophenyl)ethyl]-2-[[[5-methylpyridin-3-yl]amino]sulfonyl]benzamide	(400 MHz, CHLOROFORM-d) d ppm 8.55 (s, 1 H) 8.17 (dd, J=4.91, 1.89 Hz, 2 H) 7.69 (d, J=7.81 Hz, 1 H) 7.52 - 7.55 (m, 1 H) 7.46 (s, 1 H) 7.30 - 7.43 (m, 3 H) 7.21 - 7.29 (m, 1 H) 7.04 - 7.15 (m, 2 H) 6.21 (s, 1 H) 3.79 (q, J=6.55 Hz, 2 H) 3.07 (t, J=6.67 Hz, 2 H) 2.28 (s, 3 H)
228		N-(2-ethoxyethyl)-2-[[[5-methylpyridin-3-yl]amino]sulfonyl]benzamide	(400 MHz, CHLOROFORM-d) d ppm 8.75 (s, 1 H) 8.17 (s, 2 H) 7.77 (d, J=7.55 Hz, 1 H) 7.53 - 7.61 (m, 2 H) 7.37 - 7.47 (m, 2 H) 6.72 (s, 1 H) 3.66 - 3.80 (m, 4 H) 3.59 (q, J=7.05 Hz, 2 H) 2.26 (s, 3 H) 1.13 - 1.35 (m, 3 H)
229		2-[[[5-methylpyridin-3-yl]amino]sulfonyl]-N-(2-phenoxyethyl)benzamide	(400 MHz, CHLOROFORM-d) d ppm 8.52 (s, 1 H) 8.05 - 8.27 (m, 2 H) 7.72 (d, J=7.55 Hz, 1 H) 7.51 - 7.65 (m, 2 H) 7.40 - 7.47 (m, 2 H) 7.28 - 7.35 (m, 2 H) 6.89 - 7.03 (m, 3 H) 6.63 (s, 1 H) 4.24 (t, J=5.04 Hz, 2 H) 3.95 (q, J=5.20 Hz, 2 H) 2.12 - 2.40 (m, 3 H)

230		N-butyl-N-methyl-2-((4-methylpyridin-3-yl)amino)sulfonylbenzamide	(400 MHz, CHLOROFORM-d) d ppm 8.27 (d, J=4.78 Hz, 1 H) 8.14 (s, 1 H) 7.81 (d, J=10.07 Hz, 1 H) 7.57 - 7.66 (m, 2 H) 7.36 - 7.45 (m, 2 H) 7.07 (d, J=5.04 Hz, 1 H) 3.53 - 3.67 (m, 1 H) 3.17 - 3.24 (m, 1 H) 3.16 (s, 1 H) 2.93 (s, 2 H) 2.25 (d, J=3.27 Hz, 3 H) 1.37 - 1.86 (m, 3 H) 1.14 - 1.30 (m, 1 H) 1.02 (t, J=7.30 Hz, 3 H) LCMS ESI: 362.20 MH+
231		N-(5-methoxypyridin-3-yl)-2-((4-phenylpiperidin-1-yl)carbonyl)benzenesulfonamide	(400 MHz, CHLOROFORM-d) d ppm 8.19 (s, 1 H) 8.08 (d, J=2.52 Hz, 1 H) 7.97 (d, J=2.01 Hz, 1 H) 7.62 - 7.71 (m, 1 H) 7.52 - 7.62 (m, 1 H) 7.28 - 7.47 (m, 4 H) 7.17 - 7.29 (m, 4 H) 4.71 - 5.04 (m, 1 H) 3.76 - 3.85 (m, 3 H) 3.57 - 3.75 (m, 1 H) 3.12 - 3.34 (m, 1 H) 2.89 - 3.08 (m, 1 H) 2.68 - 2.90 (m, 1 H) 1.51 - 2.19 (m, 4 H) LCMS ESI: 452.20 MH+
232		2-((5-methoxypyridin-3-yl)amino)sulfonyl-N-[(1S,2R)-2-phenylcyclopropyl]benzamide	(400 MHz, CHLOROFORM-d) d ppm 8.46 (s, 1 H) 8.06 (d, J=2.77 Hz, 1 H) 7.97 (d, J=2.01 Hz, 1 H) 7.70 (d, J=7.81 Hz, 1 H) 7.54 - 7.60 (m, 1 H) 7.50 - 7.54 (m, 1 H) 7.39 - 7.46 (m, 1 H) 7.32 (t, J=7.43 Hz, 2 H) 7.18 - 7.28 (m, 4 H) 6.40 (s, 1 H) 3.81 (s, 3 H) 3.08 - 3.16 (m, 1 H) 2.26 - 2.36 (m, 1 H) 1.35 - 1.45 (m, 2 H) LCMS ESI: 424.20 MH+
233		2-((5-methoxypyridin-3-yl)amino)sulfonyl-N-[4-(methylsulfonyl)benzyl]benzamide	(400 MHz, CHLOROFORM-d) d ppm 8.49 (s, 1 H) 8.05 (d, J=2.52 Hz, 1 H) 7.84 - 7.96 (m, 3 H) 7.72 (d, J=7.81 Hz, 1 H) 7.56 - 7.66 (m, 4 H) 7.42 - 7.50 (m, 1 H) 7.19 - 7.22 (m, 1 H) 6.90 (t, J=6.04 Hz, 1 H) 4.81 (d, J=6.04 Hz, 2 H) 3.81 (s, 3 H) 3.03 (s, 3 H) LCMS ESI: 476.20 MH+

234		N-[3-(2-methoxyphenyl)propyl]-2-[[5-methoxypyridin-3-yl]amino]sulfonylbenzamide	(400 MHz, CHLOROFORM-d) d ppm 8.73 (s, 1 H) 8.05 (d, J=2.52 Hz, 1 H) 7.95 (d, J=2.01 Hz, 1 H) 7.72 (d, J=7.81 Hz, 1 H) 7.50 - 7.59 (m, 1 H) 7.37 - 7.47 (m, 2 H) 7.15 - 7.24 (m, 3 H) 6.89 - 6.99 (m, 1 H) 6.87 (d, J=8.06 Hz, 1 H) 6.46 (t, J=5.54 Hz, 1 H) 3.80 (s, 3 H) 3.78 (s, 3 H) 3.49 (q, J=6.55 Hz, 2 H) 2.79 (t, J=7.18 Hz, 2 H) 1.93 - 2.06 (m, 2 H) LCMS ESI: 456.20 MH+
235		2-[[5-methoxypyridin-3-yl]amino]sulfonyl-N-(3-phenylpropyl)benzamide	(400 MHz, CHLOROFORM-d) d ppm 8.63 (s, 1 H) 8.05 (d, J=2.52 Hz, 1 H) 7.94 (d, J=1.76 Hz, 1 H) 7.69 (d, J=7.81 Hz, 1 H) 7.52 (t, J=7.55 Hz, 1 H) 7.27 - 7.45 (m, 4 H) 7.16 - 7.28 (m, 4 H) 6.09 - 6.23 (m, 1 H) 3.80 (s, 3 H) 3.55 (q, J=6.63 Hz, 2 H) 2.78 (t, J=7.43 Hz, 2 H) 1.96 - 2.10 (m, 2 H) LCMS ESI: 426.20 MH+
236		N-(3-methoxypropyl)-2-[[5-methoxypyridin-3-yl]amino]sulfonylbenzamide	(400 MHz, CHLOROFORM-d) d ppm 8.81 (s, 1 H) 8.05 (d, J=1.76 Hz, 1 H) 7.95 (s, 1 H) 7.73 (d, J=8.06 Hz, 1 H) 7.49 - 7.61 (m, 2 H) 7.34 - 7.47 (m, 1 H) 7.22 (t, J=2.27 Hz, 1 H) 6.90 (s, 1 H) 3.81 (s, 3 H) 3.65 (q, J=5.96 Hz, 2 H) 3.60 (t, J=5.54 Hz, 2 H) 3.35 (s, 3 H) 1.90 - 2.01 (m, 2 H) LCMS ESI: 380.20 MH+
237		N-(2-ethoxyethyl)-2-[[5-methoxypyridin-3-yl]amino]sulfonylbenzamide	(400 MHz, CHLOROFORM-d) d ppm 8.84 (s, 1 H) 8.05 (d, J=2.52 Hz, 1 H) 7.96 (d, J=2.01 Hz, 1 H) 7.81 (d, J=7.81 Hz, 1 H) 7.59 (d, J=4.03 Hz, 2 H) 7.41 - 7.49 (m, 1 H) 7.19 (t, J=2.39 Hz, 1 H) 6.67 (s, 1 H) 3.80 (s, 3 H) 3.68 - 3.76 (m, 4 H) 3.60 (q, J=7.05 Hz, 2 H) 1.23 (t, J=7.05 Hz, 3 H) LCMS ESI: 380.20 MH+
238		2-[[5-methoxypyridin-3-yl]amino]sulfonyl-N-(2-phenoxyethyl)benzamide	(400 MHz, CHLOROFORM-d) d ppm 8.57 (s, 1 H) 8.06 (d, J=2.77 Hz, 1 H) 7.94 (d, J=2.01 Hz, 1 H) 7.74 (d, J=8.06 Hz, 1 H) 7.49 - 7.62 (m, 2 H) 7.36 - 7.49 (m, 1 H) 7.31 (t, J=8.06 Hz, 2 H) 7.22 (t, J=2.27 Hz, 1 H) 6.91 - 7.04 (m, 3 H) 6.65 (s, 1 H) 4.23 (t, J=5.04 Hz, 2 H) 3.95 (q, J=5.46 Hz, 2 H) 3.81 (s, 3 H) LCMS ESI: 428.20 MH+

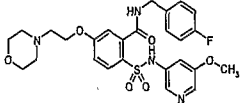
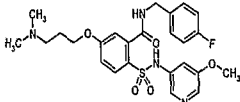
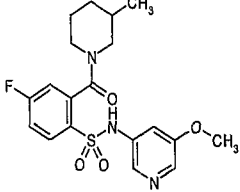
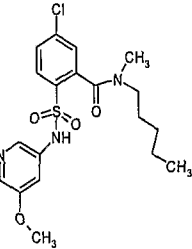
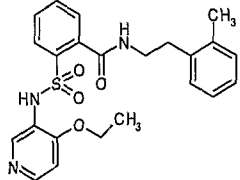
239		N-(2-methoxyethyl)-2-([(5-methoxypyridin-3-yl)amino]sulfonyl)benzamide	(400 MHz, CHLOROFORM-d) d ppm 8.82 (s, 1 H) 8.05 (d, J=2.52 Hz, 1 H) 7.96 (d, J=2.01 Hz, 1 H) 7.80 (d, J=7.81 Hz, 1 H) 7.55 - 7.61 (m, 2 H) 7.39 - 7.49 (m, 1 H) 7.20 (t, J=2.27 Hz, 1 H) 6.63 (s, 1 H) 3.80 (s, 3 H) 3.70 - 3.77 (m, 2 H) 3.63 - 3.70 (m, 2 H) 3.43 (s, 3 H) LCMS ESI: 366.20 MH+
240		N-[2-(2-chlorophenyl)ethyl]-2-([(5-methoxypyridin-3-yl)amino]sulfonyl)benzamide	(400 MHz, CHLOROFORM-d) d ppm 8.42 (dd, J=4.66, 1.38 Hz, 1 H) 8.36 (d, J=1.76 Hz, 1 H) 7.42 - 7.52 (m, 1 H) 7.11 - 7.24 (m, 2 H) 6.75 (dd, J=7.43, 5.92 Hz, 2 H) 5.85 (s, 1 H) 4.44 - 4.66 (m, 1 H) 4.03 (q, J=7.05 Hz, 2 H) 2.87 - 3.00 (m, 4 H) 2.34 - 2.49 (m, 2 H) 1.80 - 1.92 (m, 2 H) 1.71 - 1.81 (m, 2 H) 1.31 - 1.44 (m, 3 H) LCMS ESI: 446.10 MH+
241		N-(2-isopropoxyethyl)-2-([(5-methoxypyridin-3-yl)amino]sulfonyl)benzamide	(400 MHz, CHLOROFORM-d) d ppm 8.83 (s, 1 H) 8.05 (d, J=2.52 Hz, 1 H) 7.97 (d, J=2.01 Hz, 1 H) 7.80 (d, J=7.55 Hz, 1 H) 7.54 - 7.62 (m, 2 H) 7.41 - 7.50 (m, 1 H) 7.16 - 7.23 (m, 1 H) 6.66 (s, 1 H) 3.80 (s, 3 H) 3.65 - 3.74 (m, 5 H) 1.19 (d, J=6.29 Hz, 6 H) LCMS ESI: 394.20 MH+
242		N-isopropyl-2-([(5-methoxypyridin-3-yl)amino]sulfonyl)-N-methyl-5-(2-piperazin-1-ylethoxy)benzamide	(400 MHz, CHLOROFORM-d) d ppm 1.23 (dd, J=6.69, 2.40 Hz, 3.5 H), 1.29 (d, J=6.82 Hz, 2.9 H), 2.77 (s, 1.6 H), 2.82 - 2.86 (m, 3.5 H), 2.89 (t, J=5.18 Hz, 2 H), 3.01 (s, 1.9 H), 3.16 - 3.25 (m, 3.7 H), 3.50 (s, 1.2 H), 3.79 - 3.95 (m, 3.6 H), 4.02 - 4.22 (m, 2 H), 4.84 - 5.03 (m, 0.4 H), 6.71 - 6.78 (m, 1 H), 6.81 (d, J=2.53 Hz, 1 H), 7.20 - 7.25 (m, 1.2 H), 7.50 - 7.60 (m, 1 H), 7.88 - 7.99 (m, 1.7 H), 8.07 (s, 1.1 H)
243		N-isopropyl-2-([(5-methoxypyridin-3-yl)amino]sulfonyl)-N-methyl-5-(piperidin-4-yloxy)benzamide	(400 MHz, CHLOROFORM-d) d ppm 1.24 (dd, J=6.57, 3.28 Hz, 4 H), 1.27 - 1.34 (m, 2.4 H), 1.95 - 2.14 (m, 3 H), 2.15 - 2.32 (m, 1.6 H), 2.78 (s, 1.3 H), 3.02 (s, 1.6 H), 3.13 - 3.23 (m, 1.9 H), 3.31 (t, J=11.24 Hz, 1.7 H), 3.80 - 3.89 (m, 3.5 H), 4.63 - 4.71 (m, 1 H), 4.88 - 4.98 (m, 0.6 H), 6.73 - 6.80 (m, 1 H), 6.82 (t, J=2.15 Hz, 1 H), 7.23 - 7.26 (m, 1 H), 7.58 (dd, J=8.72, 3.41 Hz, 1 H), 7.91 - 8.00 (m, 1 H), 8.07 (d, J=2.02 Hz, 1 H)

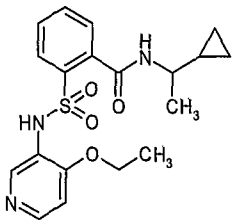
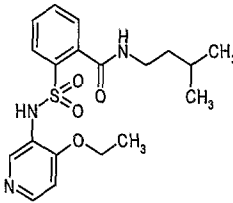
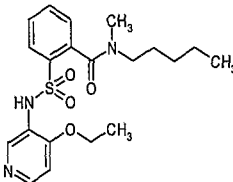
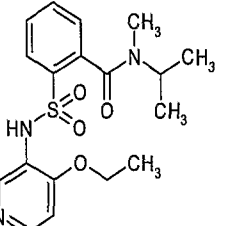
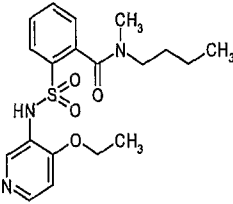
244		N-isopropyl-N-(2-methoxyethyl)-2-([(5-methoxypyridin-3-yl)amino]sulfonyl)benzamide	(400 MHz, CHLOROFORM-d) d ppm 1.22 (dd, J=6.69, 2.91 Hz, 4 H), 1.36 - 1.48 (m, 1 H), 3.23 - 3.26 (m, 1 H), 3.32 - 3.41 (m, 1 H), 3.44 (s, 2 H), 3.45 - 3.52 (m, 1 H), 3.52 - 3.62 (m, 1 H), 3.62 - 3.72 (m, 1 H), 3.76 - 3.91 (m, 3 H), 4.47 - 4.63 (m, 1 H), 7.13 - 7.20 (m, 1 H), 7.30 - 7.40 (m, 1 H), 7.40 - 7.45 (m, 1 H), 7.52 - 7.60 (m, 1 H), 7.64 (d, J=7.83 Hz, 1 H), 7.87 - 7.95 (m, 1 H), 8.00 (s, 1 H), 8.07 (d, J=2.53 Hz, 1 H)
245		2-([(5-methoxypyridin-3-yl)amino]sulfonyl)-N-methyl-N-propylbenzamide	(400 MHz, CHLOROFORM-d) d ppm 0.81 (t, J=7.33 Hz, 1 H), 1.05 (t, J=7.45 Hz, 1 H), 1.64 - 1.97 (m, 1 H), 2.92 (s, 1 H), 3.10 - 3.25 (m, 2 H), 3.50 - 3.62 (m, 1 H), 3.79 (s, 2 H), 7.11 - 7.21 (m, 1 H), 7.32 - 7.43 (m, 2 H), 7.52 - 7.60 (m, 1 H), 7.60 - 7.72 (m, 1 H), 7.95 (dd, J=5.05, 2.02 Hz, 1 H), 7.99 (s, 1 H), 8.07 (d, J=2.53 Hz, 1 H)
246		N-(2-methoxyethyl)-2-([(5-methoxypyridin-3-yl)amino]sulfonyl)-N-propylbenzamide	(400 MHz, CHLOROFORM-d) d ppm 0.77 (t, J=7.33 Hz, 1 H), 1.03 (t, J=7.45 Hz, 1 H), 1.49 - 1.57 (m, 1 H), 1.64 - 1.92 (m, 1 H), 3.03 - 3.19 (m, 1 H), 3.23 - 3.31 (m, 1 H), 3.32 (s, 1 H), 3.36 - 3.49 (m, 2 H), 3.53 - 3.68 (m, 1 H), 3.72 - 3.77 (m, 1 H), 3.79 (s, 2 H), 3.88 - 4.02 (m, 1 H), 7.17 (t, J=2.40 Hz, 1 H), 7.31 - 7.42 (m, 1 H), 7.46 (dd, J=7.58, 1.26 Hz, 1 H), 7.52 - 7.59 (m, 1 H), 7.62 (s, 1 H), 7.66 - 7.74 (m, 1 H), 7.94 (d, J=2.02 Hz, 1 H), 8.06 (dd, J=5.43, 2.65 Hz, 1 H), 8.12 (s, 1 H)
247		N-isopropyl-2-([(5-methoxypyridin-3-yl)amino]sulfonyl)-N-methyl-5-(2-morpholin-4-ylethoxy)benzamide	(400 MHz, CHLOROFORM-d) d ppm 1.22 (dd, J=6.57, 2.27 Hz, 3.4 H), 1.28 (d, J=6.82 Hz, 2.9 H), 2.51 - 2.60 (m, 4.1 H), 2.76 (s, 1.4 H), 2.80 (t, J=5.43 Hz, 2.1 H), 3.01 (s, 1.7 H), 3.68 - 3.76 (m, 4.1 H), 3.81 (s, 3 H), 3.82 - 3.89 (m, 0.7 H), 4.03 - 4.17 (m, 2.1 H), 4.86 - 4.99 (m, 0.4 H), 6.72 - 6.79 (m, 1 H), 6.82 (t, J=2.27 Hz, 1 H), 7.21 (t, J=2.27 Hz, 1 H), 7.54 (dd, J=8.59, 3.79 Hz, 1 H), 7.75 - 7.91 (m, 1 H), 7.93 - 7.98 (m, 1 H), 8.04 - 8.11 (m, 1 H)

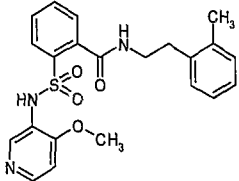
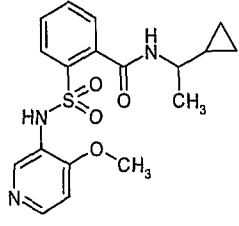
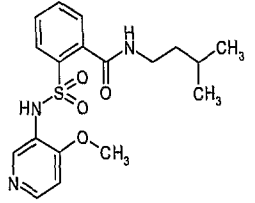
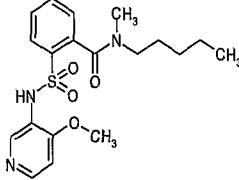
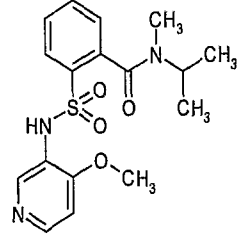
248		5-[3-(dimethylamino)propoxy]-N-isopropyl-2-[[5-methoxypyridin-3-yl]amino]sulfonyl-N-methylbenzamide	(400 MHz, CHLOROFORM-d) d ppm 1.22 (dd, J=6.69, 4.42 Hz, 3.5 H), 1.28 (d, J=6.82 Hz, 2.7 H), 1.93 - 2.01 (m, 3.3 H), 2.27 (d, J=1.52 Hz, 6.2 H), 2.44 - 2.51 (m, 2.2 H), 2.76 (s, 1.3 H), 3.01 (s, 1.6 H), 3.81 (s, 2.8 H), 3.82 - 3.91 (m, 0.6 H), 3.96 - 4.08 (m, 1.9 H), 4.89 - 4.97 (m, 0.4 H), 6.73 - 6.78 (m, 0.9 H), 6.80 (t, J=2.27 Hz, 1 H), 7.21 (t, J=2.40 Hz, 1 H), 7.53 (dd, J=8.59, 4.55 Hz, 1 H), 7.96 (t, J=2.27 Hz, 1 H), 8.06 (dd, J=2.53, 1.26 Hz, 1 H)
249		N-(tert-butyl)-2-[[4-ethoxypyridin-3-yl]amino]sulfonylbenzamide	(400 MHz, CHLOROFORM-d) d ppm 8.69 (s, 1 H) 8.62 (s, 1 H) 8.22 (d, J=5.79 Hz, 1 H) 7.76 (d, J=7.81 Hz, 1 H) 7.36 - 7.58 (m, 3 H) 6.63 (d, J=5.54 Hz, 1 H) 5.88 (s, 1 H) 3.85 (q, J=7.05 Hz, 2 H) 1.52 (s, 9 H) 1.17 (t, J=6.92 Hz, 3 H)
250		2-[[4-ethoxypyridin-3-yl]amino]sulfonyl-N-[4-fluoro-3-(trifluoromethyl)benzyl]benzamide	(400 MHz, CHLOROFORM-d) d ppm 8.64 (s, 1 H) 8.39 - 8.62 (m, 1 H) 8.21 (d, J=5.54 Hz, 1 H) 7.74 (d, J=7.05 Hz, 1 H) 7.61 - 7.72 (m, 2 H) 7.50 - 7.60 (m, 2 H) 7.38 - 7.47 (m, 1 H) 7.22 (t, J=9.19 Hz, 1 H) 6.70 (s, 1 H) 6.63 (d, J=5.54 Hz, 1 H) 4.71 (d, J=6.04 Hz, 2 H) 3.84 (q, J=6.88 Hz, 2 H) 0.99 - 1.18 (m, 3 H)
251		N-(3,4-difluorobenzyl)-2-[[4-ethoxypyridin-3-yl]amino]sulfonyl-N-methylbenzamide	(400 MHz, CHLOROFORM-d) d ppm 8.57 - 8.74 (m, 1 H) 8.15 - 8.33 (m, 1 H) 7.95 (s, 1 H) 7.67 - 7.78 (m, 1 H) 7.52 - 7.63 (m, 1 H) 7.28 - 7.47 (m, 3 H) 6.96 - 7.23 (m, 2 H) 6.65 (d, J=5.79 Hz, 1 H) 4.24 - 4.94 (m, 2 H) 3.60 - 4.09 (m, 2 H) 3.06 (s, 1 H) 2.83 (s, 2 H) 1.02 - 1.30 (m, 3 H)
252		N-(3,4-difluorobenzyl)-2-[[4-ethoxypyridin-3-yl]amino]sulfonylbenzamide	(400 MHz, CHLOROFORM-d) d ppm 8.66 (s, 1 H) 8.40 - 8.62 (m, 1 H) 8.23 (d, J=5.54 Hz, 1 H) 7.79 (d, J=7.81 Hz, 1 H) 7.41 - 7.67 (m, 3 H) 7.25 - 7.34 (m, 1 H) 7.01 - 7.22 (m, 2 H) 6.65 (d, J=5.29 Hz, 1 H) 6.33 - 6.57 (m, 1 H) 4.66 (d, J=5.79 Hz, 2 H) 3.87 (q, J=6.63 Hz, 2 H) 1.07 - 1.27 (m, 3 H)

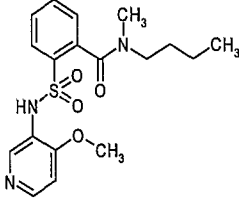
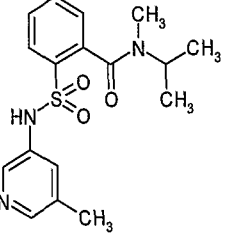
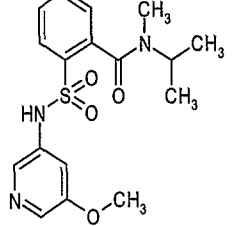
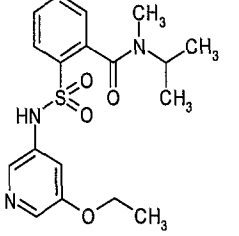
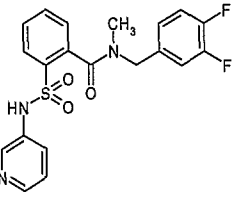
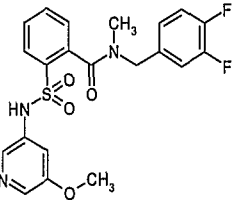
253		N-(4-fluorobenzyl)-2-(((5-methoxypyridin-3-yl)amino)sulfonyl)-5-(2-piperazin-1-ylethoxy)benzamide	(400 MHz, MeOD) d ppm 2.72 (d, J=4.29 Hz, 4 H) 2.86 (t, J=5.18 Hz, 2 H) 3.04 - 3.13 (m, 4 H) 3.83 (s, 3 H) 4.21 (t, J=5.31 Hz, 2 H) 4.62 (s, 2 H) 7.04 (dd, J=8.84, 2.53 Hz, 1 H) 7.07 - 7.13 (m, 2 H) 7.14 (d, J=2.78 Hz, 1 H) 7.26 - 7.35 (m, 1 H) 7.47 - 7.57 (m, 2 H) 7.74 (d, J=8.84 Hz, 1 H) 7.93 (dd, J=8.97, 2.40 Hz, 2 H)
254		N-(tert-butyl)-2-(((4-methoxypyridin-3-yl)amino)sulfonyl)benzamide	(400 MHz, MeOD): d 8.123 (s, 2H), 7.812 (d, J=7.2 Hz, 1H), 7.658 (m, 1H), 7.543 (m, 3H), 3.891 (s, 3H), 1.474 (s, 9H).
255		N-[4-fluoro-3-(trifluoromethyl)benzyl]-2-(((4-methoxypyridin-3-yl)amino)sulfonyl)benzamide	(400 MHz, CHLOROFORM-d) d ppm 8.64 (s, 1 H) 8.41 (s, 1 H) 8.25 (d, J=5.54 Hz, 1 H) 7.79 (d, J=7.81 Hz, 1 H) 7.63 - 7.75 (m, 2 H) 7.53 - 7.63 (m, 2 H) 7.41 - 7.51 (m, 1 H) 7.19 - 7.24 (m, 1 H) 6.68 (d, J=5.54 Hz, 1 H) 6.49 - 6.61 (m, 1 H) 4.73 (d, J=6.04 Hz, 2 H) 3.47 - 3.70 (m, 3 H)
256		N-(3,4-difluorobenzyl)-2-(((4-methoxypyridin-3-yl)amino)sulfonyl)-N-methylbenzamide	(400 MHz, CHLOROFORM-d) d ppm 8.52 - 8.74 (m, 1 H) 8.29 (d, J=5.54 Hz, 1 H) 7.88 (s, 1 H) 7.53 - 7.66 (m, 1 H) 7.28 - 7.47 (m, 4 H) 6.95 - 7.23 (m, 2 H) 6.68 (d, J=5.54 Hz, 1 H) 4.19 - 4.97 (m, 2 H) 3.48 - 3.76 (m, 3 H) 3.07 (s, 1 H) 2.83 (s, 2 H)
257		N-(3,4-difluorobenzyl)-2-(((4-methoxypyridin-3-yl)amino)sulfonyl)benzamide	(400 MHz, CHLOROFORM-d) d ppm 8.61 (s, 1 H) 8.24 (d, J=5.79 Hz, 1 H) 7.77 (d, J=7.30 Hz, 1 H) 7.51 - 7.62 (m, 2 H) 7.43 - 7.49 (m, 1 H) 7.24 - 7.33 (m, 2 H) 7.05 - 7.22 (m, 2 H) 6.57 - 6.73 (m, 2 H) 4.66 (d, J=6.04 Hz, 2 H) 3.60 (s, 3 H)
258		N-[2-(2-fluorophenyl)ethyl]-2-(((5-methoxypyridin-3-yl)amino)sulfonyl)benzamide	(400 MHz, CHLOROFORM-d) d ppm 8.64 (s, 1 H) 8.06 (d, J=2.52 Hz, 1 H) 7.96 (d, J=2.01 Hz, 1 H) 7.67 - 7.77 (m, 1 H) 7.49 - 7.59 (m, 1 H) 7.38 - 7.45 (m, 2 H) 7.35 (t, J=7.43 Hz, 1 H) 7.19 - 7.29 (m, 2 H) 7.02 - 7.16 (m, 2 H) 6.10 - 6.21 (m, 1 H) 3.73 - 3.87 (m, 5 H) 3.07 (t, J=6.55 Hz, 2 H) LCMS ESI: 430.20 MH+

259		N-(3,4-difluorobenzyl)-2-((4-methylpyridin-3-yl)amino)sulfonylbenzamide	(400 MHz, CHLOROFORM-d) d ppm 8.27 (d, J=5.04 Hz, 2 H) 8.17 (s, 1 H) 7.71 (d, J=8.06 Hz, 1 H) 7.56 - 7.66 (m, 2 H) 7.44 - 7.52 (m, 1 H) 7.27 - 7.34 (m, 1 H) 7.14 - 7.22 (m, 2 H) 7.10 (d, J=4.78 Hz, 1 H) 6.51 (s, 1 H) 4.68 (d, J=6.04 Hz, 2 H) 2.30 (s, 3 H) LCMS ESI: 418.15 MH+
260		N-butyl-2-((4-methylpyridin-3-yl)amino)sulfonylbenzamide	(400 MHz, CHLOROFORM-d) d ppm 8.43 (s, 1 H) 8.26 (d, J=4.78 Hz, 1 H) 8.17 (s, 1 H) 7.66 (d, J=7.55 Hz, 1 H) 7.58 - 7.63 (m, 1 H) 7.49 - 7.58 (m, 1 H) 7.40 - 7.49 (m, 1 H) 7.08 (d, J=5.04 Hz, 1 H) 6.21 (s, 1 H) 3.45 - 3.59 (m, 2 H) 2.29 (s, 3 H) 1.61 - 1.73 (m, 2 H) 1.40 - 1.53 (m, 2 H) 1.00 (t, J=7.43 Hz, 3 H) LCMS ESI: 348.20 MH+
261		N-(2-methoxyethyl)-2-((pyridin-3-ylamino)sulfonylbenzamide	(400 MHz, CHLOROFORM-d) d ppm 8.80 (s, 1 H) 8.37 (d, J=2.52 Hz, 1 H) 8.34 (d, J=4.78 Hz, 1 H) 7.76 (d, J=7.81 Hz, 1 H) 7.51 - 7.65 (m, 3 H) 7.39 - 7.49 (m, 1 H) 7.17 (dd, J=8.06, 4.78 Hz, 1 H) 6.68 (s, 1 H) 3.70 - 3.80 (m, 2 H) 3.65 - 3.70 (m, 2 H) 3.43 (s, 3 H) LCMS ESI: 336.20 MH+
262		N-(3-chloro-4-fluorobenzyl)-2-(((5-methoxypyridin-3-yl)amino)sulfonylbenzamide	(400 MHz, CHLOROFORM-d) d ppm 8.48 (s, 1 H) 8.06 (d, J=2.52 Hz, 1 H) 7.94 (d, J=2.01 Hz, 1 H) 7.74 (d, J=7.81 Hz, 1 H) 7.52 - 7.63 (m, 2 H) 7.41 - 7.53 (m, 2 H) 7.30 - 7.39 (m, 1 H) 7.21 - 7.29 (m, 1 H) 7.17 (t, J=8.69 Hz, 1 H) 6.48 (s, 1 H) 4.67 (d, J=6.04 Hz, 2 H) 3.82 (s, 3 H) LCMS ESI: 450.10 MH+
263		N-[2-(2-methoxyphenyl)ethyl]-2-(((5-methoxypyridin-3-yl)amino)sulfonylbenzamide	(400 MHz, CHLOROFORM-d) d ppm 8.79 (s, 1 H) 8.05 (d, J=2.77 Hz, 1 H) 7.96 (d, J=2.01 Hz, 1 H) 7.72 (dd, J=7.68, 1.13 Hz, 1 H) 7.47 - 7.56 (m, 1 H) 7.32 - 7.44 (m, 2 H) 7.20 - 7.30 (m, 3 H) 6.95 (t, J=7.30 Hz, 1 H) 6.91 (d, J=8.56 Hz, 1 H) 6.43 (s, 1 H) 3.83 (s, 3 H) 3.81 (s, 3 H) 3.71 - 3.80 (m, 2 H) 3.02 (t, J=6.42 Hz, 2 H) LCMS ESI: 442.20 MH+
264		N-(4-fluorobenzyl)-2-(((5-methoxypyridin-3-yl)amino)sulfonyl)-5-(piperidin-4-yloxy)benzamide	(400 MHz, MeOD) d ppm 1.80 - 1.90 (m, 2 H) 2.05 - 2.16 (m, 2 H) 2.93 - 3.05 (m, 2 H) 3.18 - 3.28 (m, 2 H) 3.81 (s, 3 H) 4.61 (s, 2 H) 4.68 - 4.79 (m, 1 H) 7.05 - 7.15 (m, 3 H) 7.17 (d, J=2.53 Hz, 1 H) 7.21 - 7.31 (m, 1 H) 7.46 - 7.56 (m, 2 H) 7.78 (d, J=8.84 Hz, 1 H) 7.87 (d, J=1.26 Hz, 2 H)

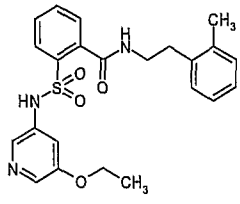
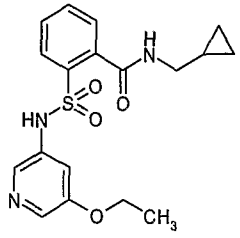
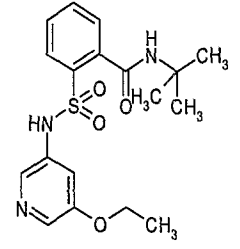
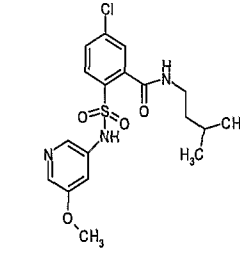
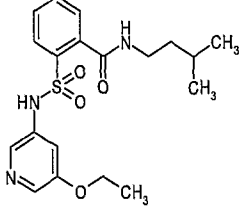
265		N-(4-fluorobenzyl)-2-((5-methoxypyridin-3-yl)amino)sulfonyl-5-(2-morpholin-4-ylethoxy)benzamide	(400 MHz, MeOD) d ppm 2.58 (d, J=4.29 Hz, 4 H) 2.81 (t, J=5.43 Hz, 2 H) 3.67 - 3.77 (m, 4 H) 3.83 (s, 3 H) 4.21 (t, J=5.43 Hz, 2 H) 4.62 (s, 2 H) 7.04 (dd, J=8.84, 2.53 Hz, 1 H) 7.07 - 7.14 (m, 2 H) 7.15 (d, J=2.53 Hz, 1 H) 7.26 - 7.37 (m, 1 H) 7.47 - 7.57 (m, 2 H) 7.72 (d, J=8.84 Hz, 1 H) 7.93 - 8.04 (m, 2 H)
266		5-[3-(dimethylamino)propoxy]-N-(4-fluorobenzyl)-2-((5-methoxypyridin-3-yl)amino)sulfonylbenzamide	(400 MHz, MeOD) d ppm 1.93 (dt, J=15.09, 6.09 Hz, 2 H) 2.35 (s, 6 H) 2.57 - 2.67 (m, 2 H) 3.70 (s, 3 H) 4.00 (t, J=6.06 Hz, 2 H) 4.49 (s, 2 H) 6.90 (dd, J=8.84, 2.53 Hz, 1 H) 6.94 - 7.02 (m, 3 H) 7.13 - 7.20 (m, 1 H) 7.33 - 7.40 (m, 2 H) 7.60 (d, J=8.84 Hz, 1 H) 7.82 (dd, J=9.35, 2.27 Hz, 2 H)
267		4-fluoro-N-(5-methoxypyridin-3-yl)-2-((3-methylpiperidin-1-yl)carbonyl)benzenesulfonamide	(400 MHz, CHLOROFORM-d) d ppm 0.81 (dd, J=19.33, 6.44 Hz, 1.5 H) 1.02 (dd, J=17.94, 6.57 Hz, 1.5 H) 1.12 - 1.28 (m, 1.3 H) 1.72 - 1.84 (m, 1.5 H) 1.85 - 2.01 (m, 1.9 H) 2.49 (dd, J=12.51, 10.99 Hz, 0.3 H) 2.63 - 2.89 (m, 1.2 H) 2.98 - 3.14 (m, 0.6 H) 3.30 - 3.59 (m, 1.1 H) 3.81 (s, 3 H) 4.44 (dd, J=12.76, 3.66 Hz, 0.2 H) 4.55 - 4.72 (m, 0.8 H) 6.94 - 7.12 (m, 1.9 H) 7.18 (d, J=2.02 Hz, 0.9 H) 7.65 (dd, J=8.97, 4.67 Hz, 1.3 H) 7.94 - 8.01 (m, 1.3 H) 8.09 (s, 1.2 H)
268		5-chloro-2-((5-methoxypyridin-3-yl)amino)sulfonyl-N-methyl-N-pentylbenzamide	(400 MHz, CHLOROFORM-d) d ppm 8.86 (s, 1 H), 8.28 (s, 1 H), 8.20 (s, 1 H), 7.75 (t, J=8.34 Hz, 1 H), 7.66 (s, 1 H), 7.44 (ddd, J=8.34, 4.67, 1.89 Hz, 1 H), 7.36 (dd, J=5.05, 2.02 Hz, 1 H), 3.95 (s, 3 H), 3.57 (t, J=7.71 Hz, 1 H), 3.16 - 3.22 (m, 1 H), 3.15 (s, 1 H), 2.93 - 2.96 (m, 2 H), 1.71 (s, 1 H), 1.42 (d, J=2.53 Hz, 3 H), 1.16 - 1.27 (m, 2 H), 0.96 (t, J=6.82 Hz, 2 H), 0.87 (t, J=7.07 Hz, 1 H)
269		2-((4-ethoxypyridin-3-yl)amino)sulfonyl-N-[2-(2-methylphenyl)ethyl]benzamide	(400 MHz, CHLOROFORM-d) d ppm 8.65 (s, 2 H) 8.13 - 8.29 (m, 1 H) 7.70 - 7.92 (m, 1 H) 7.48 - 7.62 (m, 1 H) 7.42 (t, J=7.05 Hz, 1 H) 7.12 - 7.25 (m, 3 H) 6.63 (t, J=5.04 Hz, 1 H) 5.97 - 6.21 (m, 1 H) 3.85 (q, J=6.97 Hz, 2 H) 3.74 (q, J=7.05 Hz, 2 H) 3.02 (t, J=7.05 Hz, 2 H) 2.27 - 2.47 (m, 2 H) 1.64 (s, 3 H) 1.06 - 1.23 (m, 3 H)

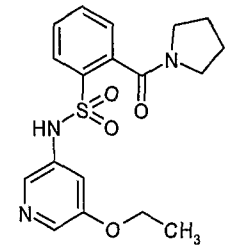
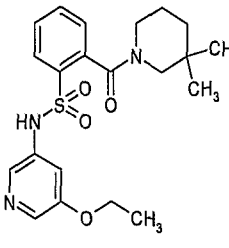
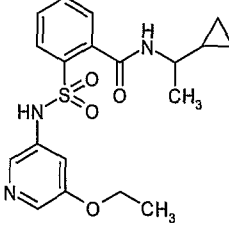
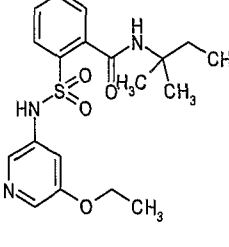
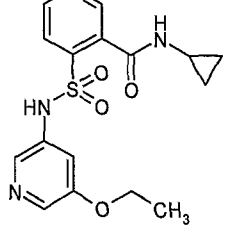
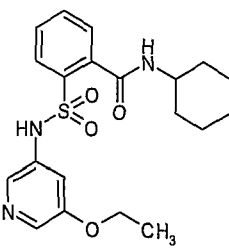
270		N-(1-cyclopropylethyl)-2-(((4-ethoxypyridin-3-yl)amino)sulfonyl)benzamide	(400 MHz, CHLOROFORM-d) δ ppm 8.63 (s, 2 H) 8.23 (d, J=5.79 Hz, 1 H) 7.78 (d, J=7.81 Hz, 1 H) 7.49 - 7.64 (m, 2 H) 7.36 - 7.48 (m, 1 H) 6.62 (d, J=5.54 Hz, 1 H) 6.09 (d, J=7.55 Hz, 1 H) 3.85 (q, J=7.05 Hz, 2 H) 3.49 - 3.68 (m, 1 H) 1.64 (s, 3 H) 1.38 (d, J=6.55 Hz, 2 H) 1.06 - 1.22 (m, 2 H) 0.85 - 1.04 (m, 1 H) 0.42 - 0.60 (m, 2 H) 0.26 - 0.42 (m, 1 H)
271		2-(((4-ethoxypyridin-3-yl)amino)sulfonyl)-N-(3-methylbutyl)benzamide	(400 MHz, CHLOROFORM-d) δ ppm 8.71 (s, 1 H) 8.61 (s, 1 H) 8.22 (d, J=5.54 Hz, 1 H) 7.70 (d, J=7.81 Hz, 1 H) 7.46 - 7.60 (m, 2 H) 7.40 (t, J=7.43 Hz, 1 H) 6.62 (d, J=5.54 Hz, 1 H) 6.27 (t, J=5.04 Hz, 1 H) 3.83 (q, J=6.88 Hz, 2 H) 3.37 - 3.60 (m, 2 H) 1.66 - 1.84 (m, 2 H) 1.46 - 1.63 (m, 2 H) 1.06 - 1.20 (m, 3 H) 0.84 - 1.05 (m, 5 H)
272		2-(((4-ethoxypyridin-3-yl)amino)sulfonyl)-N-methyl-N-pentylbenzamide	(400 MHz, CHLOROFORM-d) δ ppm 8.60 (t, J=5.79 Hz, 1 H) 8.24 (d, J=5.54 Hz, 1 H) 7.90 - 8.06 (m, 1 H) 7.65 - 7.79 (m, 1 H) 7.49 - 7.62 (m, 1 H) 7.32 - 7.46 (m, 2 H) 6.63 (d, J=5.54 Hz, 1 H) 3.71 - 4.00 (m, 2 H) 3.46 - 3.68 (m, 1 H) 3.03 - 3.20 (m, 2 H) 2.78 - 2.98 (m, 1 H) 1.60 - 1.84 (m, 3 H) 1.35 - 1.46 (m, 2 H) 1.23 - 1.29 (m, 2 H) 1.09 - 1.20 (m, 3 H) 0.91 - 1.01 (m, 2 H) 0.84 (t, J=7.18 Hz, 1 H)
273		2-(((4-ethoxypyridin-3-yl)amino)sulfonyl)-N-isopropyl-N-methylbenzamide	(400 MHz, CHLOROFORM-d) δ ppm 8.00 - 8.07 (m, 2 H) 7.89 - 7.98 (m, 2 H) 7.52 - 7.66 (m, 2 H) 7.29 - 7.40 (m, 2 H) 7.17 (t, J=2.27 Hz, 1 H) 3.72 - 4.10 (m, 3 H) 3.03 (s, 2 H) 2.75 (s, 1 H) 1.39 (t, J=7.05 Hz, 3 H) 1.29 (d, J=6.80 Hz, 2 H) 1.22 (dd, J=6.55, 3.78 Hz, 3 H)
274		N-butyl-2-(((4-ethoxypyridin-3-yl)amino)sulfonyl)-N-methylbenzamide	(400 MHz, CHLOROFORM-d) δ ppm 8.60 (t, J=5.79 Hz, 1 H) 8.24 (d, J=5.54 Hz, 1 H) 7.90 - 8.06 (m, 1 H) 7.65 - 7.79 (m, 1 H) 7.49 - 7.62 (m, 1 H) 7.32 - 7.46 (m, 2 H) 6.63 (d, J=5.54 Hz, 1 H) 3.71 - 4.00 (m, 2 H) 3.46 - 3.68 (m, 1 H) 3.03 - 3.20 (m, 2 H) 2.78 - 2.98 (m, 1 H) 1.60 - 1.84 (m, 3 H) 1.35 - 1.46 (m, 2 H) 1.23 - 1.29 (m, 2 H) 1.09 - 1.20 (m, 3 H) 0.84 (t, J=7.18 Hz, 1 H)

275		2-[[[4-methoxypyridin-3-yl]amino]sulfonyl]-N-[2-(2-methylphenyl)ethyl]benzamide	(400 MHz, CHLOROFORM-d) d ppm 8.52 - 8.68 (m, 2 H) 8.15 - 8.30 (m, 1 H) 7.74 (d, J=7.81 Hz, 1 H) 7.49 - 7.60 (m, 1 H) 7.36 - 7.48 (m, 2 H) 7.21 - 7.27 (m, 1 H) 7.08 - 7.20 (m, 3 H) 6.66 (d, J=5.54 Hz, 1 H) 6.30 (t, J=5.67 Hz, 1 H) 3.74 (q, J=7.05 Hz, 2 H) 3.44 - 3.65 (m, 3 H) 3.02 (t, J=7.18 Hz, 2 H) 2.31 - 2.47 (m, 3 H)
276		N-(1-cyclopropylethyl)-2-[[[4-methoxypyridin-3-yl]amino]sulfonyl]benzamide	(400 MHz, CHLOROFORM-d) d ppm 8.61 (s, 1 H) 8.05 (d, J=2.52 Hz, 1 H) 7.95 (d, J=2.01 Hz, 1 H) 7.72 (d, J=8.06 Hz, 1 H) 7.50 - 7.61 (m, 2 H) 7.36 - 7.45 (m, 1 H) 7.23 (t, J=2.27 Hz, 1 H) 6.12 (s, 1 H) 3.81 (s, 3 H) 3.56 - 3.70 (m, 1 H) 1.39 (d, J=6.55 Hz, 3 H) 0.88 - 1.02 (m, 1 H) 0.44 - 0.70 (m, 3 H) 0.29 - 0.43 (m, 1 H)
277		2-[[[4-methoxypyridin-3-yl]amino]sulfonyl]-N-(3-methylbutyl)benzamide	(400 MHz, CHLOROFORM-d) d ppm 8.51 - 8.67 (m, 2 H) 8.25 (d, J=5.54 Hz, 1 H) 7.74 (d, J=7.81 Hz, 1 H) 7.49 - 7.61 (m, 2 H) 7.27 - 7.47 (m, 1 H) 6.66 (d, J=5.54 Hz, 1 H) 6.16 (s, 1 H) 3.42 - 3.64 (m, 5 H) 1.63 - 1.80 (m, 2 H) 1.49 - 1.63 (m, 2 H) 0.98 (d, J=6.55 Hz, 5 H)
278		2-[[[4-methoxypyridin-3-yl]amino]sulfonyl]-N-methyl-N-pentylbenzamide	(400 MHz, CHLOROFORM-d) d ppm 8.60 (d, J=10.07 Hz, 1 H) 8.27 (dd, J=5.54, 1.26 Hz, 1 H) 7.93 (s, 1 H) 7.70 (dd, J=7.30, 6.04 Hz, 1 H) 7.50 - 7.63 (m, 1 H) 7.32 - 7.44 (m, 2 H) 6.66 (dd, J=5.54, 1.26 Hz, 1 H) 4.12 (q, J=7.05 Hz, 1 H) 3.58 (s, 4 H) 3.08 - 3.20 (m, 2 H) 2.89 (s, 1 H) 2.05 (s, 1 H) 1.50 - 1.83 (m, 2 H) 1.38 - 1.45 (m, 1 H) 1.07 - 1.29 (m, 3 H) 0.95 (t, J=6.80 Hz, 1 H) 0.83 (t, J=7.18 Hz, 1 H)
279		N-isopropyl-2-[[[4-methoxypyridin-3-yl]amino]sulfonyl]-N-methylbenzamide	(400 MHz, CHLOROFORM-d) d ppm 8.61 (s, 1 H) 8.27 (d, J=5.54 Hz, 1 H) 7.97 (d, J=26.19 Hz, 1 H) 7.71 (t, J=7.43 Hz, 1 H) 7.57 (t, J=7.55 Hz, 1 H) 7.31 - 7.44 (m, 2 H) 6.66 (dd, J=5.54, 2.52 Hz, 1 H) 4.87 - 5.13 (m, 1 H) 3.59 (d, J=5.54 Hz, 2 H) 3.02 (s, 2 H) 2.73 (s, 1 H) 1.67 (s, 2 H) 1.05 - 1.35 (m, 5 H)

280		N-butyl-2-[[[4-methoxypyridin-3-yl]amino]sulfonyl]-N-methylbenzamide	(400 MHz, CHLOROFORM-d) d ppm 8.60 (d, J=10.07 Hz, 1 H) 8.27 (dd, J=5.54, 1.26 Hz, 1 H) 7.93 (s, 1 H) 7.70 (dd, J=7.30, 6.04 Hz, 1 H) 7.50 - 7.63 (m, 1 H) 7.32 - 7.44 (m, 2 H) 6.66 (dd, J=5.54, 1.26 Hz, 1 H) 4.12 (q, J=7.05 Hz, 1 H) 3.58 (s, 4 H) 3.08 - 3.20 (m, 2 H) 2.89 (s, 1 H) 2.05 (s, 1 H) 1.38 - 1.45 (m, 1 H) 1.07 - 1.29 (m, 3 H) 0.95 (t, J=6.80 Hz, 1 H) 0.83 (t, J=7.18 Hz, 1 H)
281		N-isopropyl-N-methyl-2-[[[5-methylpyridin-3-yl]amino]sulfonyl]benzamide	(400 MHz, CHLOROFORM-d) d ppm 8.10 - 8.26 (m, 2 H) 7.96 (d, J=25.43 Hz, 1 H) 7.51 - 7.67 (m, 2 H) 7.41 (s, 1 H) 7.31 - 7.39 (m, 2 H) 4.91 - 5.03 (m, 1 H) 3.03 (s, 2 H) 2.75 (s, 1 H) 2.26 (s, 3 H) 1.71 (s, 1 H) 1.30 (d, J=6.80 Hz, 2 H) 1.18 - 1.25 (m, 3 H)
282		N-isopropyl-2-[[[5-methoxypyridin-3-yl]amino]sulfonyl]-N-methylbenzamide	(400 MHz, CHLOROFORM-d) d ppm 8.03 - 8.09 (m, 1 H) 7.92 - 8.00 (m, 1 H) 7.63 (dd, J=7.93, 4.66 Hz, 1 H) 7.53 - 7.59 (m, 1 H) 7.31 - 7.40 (m, 2 H) 7.14 - 7.20 (m, 1 H) 3.74 - 3.86 (m, 4 H) 3.03 (s, 2 H) 2.75 (s, 1 H) 1.65 (s, 2 H) 1.30 (d, J=6.80 Hz, 2 H) 1.22 (dd, J=6.55, 3.78 Hz, 3 H)
283		2-[[[5-ethoxypyridin-3-yl]amino]sulfonyl]-N-isopropyl-N-methylbenzamide	(400 MHz, CHLOROFORM-d) d ppm 8.00 - 8.07 (m, 2 H) 7.89 - 7.98 (m, 2 H) 7.52 - 7.66 (m, 2 H) 7.29 - 7.40 (m, 2 H) 7.17 (t, J=2.27 Hz, 1 H) 3.72 - 4.10 (m, 3 H) 3.03 (s, 2 H) 2.75 (s, 1 H) 1.39 (t, J=7.05 Hz, 3 H) 1.29 (d, J=6.80 Hz, 2 H) 1.22 (dd, J=6.55, 3.78 Hz, 3 H)
284		N-(3,4-difluorobenzyl)-N-methyl-2-[[pyridin-3-yl]amino]sulfonylbenzamide	(400 MHz, CHLOROFORM-d) d ppm 8.25 - 8.51 (m, 2 H) 7.94 (s, 1 H) 7.49 - 7.68 (m, 3 H) 7.37 (q, J=7.39 Hz, 2 H) 7.28 - 7.37 (m, 1 H) 7.05 - 7.28 (m, 3 H) 5.05 (none, 1 H) 4.25 - 4.97 (m, 2 H) 3.08 (s, 1 H) 2.65 - 2.94 (m, 2 H)
285		N-(3,4-difluorobenzyl)-2-[[[5-methoxypyridin-3-yl]amino]sulfonyl]-N-methylbenzamide	(400 MHz, CHLOROFORM-d) d ppm 8.09 (d, J=1.51 Hz, 1 H) 7.88 - 8.00 (m, 2 H) 7.67 (d, J=8.06 Hz, 1 H) 7.49 - 7.63 (m, 1 H) 7.34 - 7.45 (m, 2 H) 7.23 - 7.34 (m, 1 H) 7.08 - 7.22 (m, 3 H) 4.63 - 4.94 (m, 1 H) 4.40 (d, J=9.32 Hz, 1 H) 3.77 - 3.83 (m, 3 H) 3.08 (s, 1 H) 2.86 (s, 2 H)

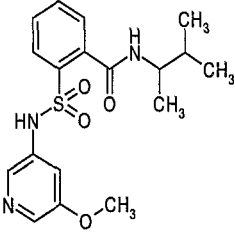
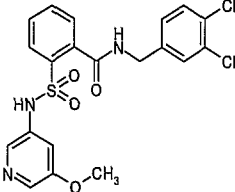
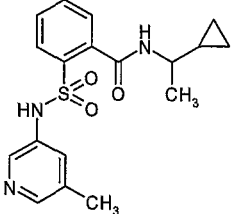
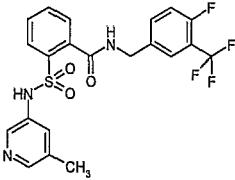
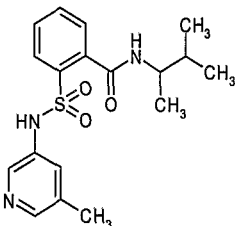
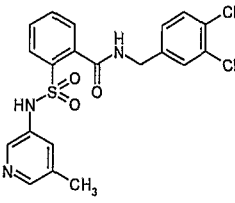
286		N-(3,4-difluorobenzyl)-N-methyl-2-((5-methylpyridin-3-yl)amino)sulfonylbenzamide	(400 MHz, CHLOROFORM-d) d ppm 8.21 (s, 1 H) 8.17 (d, J=2.01 Hz, 1 H) 7.87 (s, 1 H) 7.65 (d, J=8.31 Hz, 1 H) 7.57 - 7.62 (m, 1 H) 7.44 (s, 1 H) 7.35 - 7.42 (m, 2 H) 7.28 - 7.34 (m, 1 H) 7.11 - 7.23 (m, 2 H) 4.79 (d, J=55.90 Hz, 1 H) 4.40 (d, J=9.82 Hz, 1 H) 2.86 (s, 3 H) 2.28 (s, 3 H)
287		N-cyclopentyl-2-((5-ethoxypyridin-3-yl)amino)sulfonylbenzamide	Mass point = LCMS 390.6 MH+
288		2-((5-ethoxypyridin-3-yl)amino)sulfonyl-N-(4-fluoro-3-(trifluoromethyl)benzyl)benzamide	(400 MHz, CHLOROFORM-d) d ppm 8.42 (s, 1 H) 8.03 (d, J=2.52 Hz, 1 H) 7.90 (d, J=2.01 Hz, 1 H) 7.63 - 7.78 (m, 3 H) 7.50 - 7.62 (m, 2 H) 7.41 - 7.49 (m, 1 H) 7.18 - 7.26 (m, 2 H) 6.64 (t, J=5.79 Hz, 1 H) 4.73 (d, J=6.04 Hz, 2 H) 4.03 (q, J=7.05 Hz, 2 H) 1.40 (t, J=7.05 Hz, 3 H)
289		N-(3,4-difluorobenzyl)-2-((5-ethoxypyridin-3-yl)amino)sulfonyl-N-methylbenzamide	(400 MHz, CHLOROFORM-d) d ppm 8.07 (d, J=2.52 Hz, 1 H) 7.85 - 7.95 (m, 2 H) 7.67 (d, J=7.30 Hz, 1 H) 7.50 - 7.63 (m, 1 H) 7.34 - 7.45 (m, 2 H) 7.31 (d, J=9.57 Hz, 1 H) 7.00 - 7.24 (m, 4 H) 4.79 (d, J=67.73 Hz, 1 H) 3.93 - 4.11 (m, 2 H) 2.86 (s, 3 H) 1.34 - 1.48 (m, 3 H)
290		N-(3,4-difluorobenzyl)-2-((5-ethoxypyridin-3-yl)amino)sulfonylbenzamide	(400 MHz, CHLOROFORM-d) d ppm 8.46 (s, 1 H) 8.03 (d, J=2.52 Hz, 1 H) 7.91 (d, J=1.51 Hz, 1 H) 7.72 (d, J=7.81 Hz, 1 H) 7.50 - 7.62 (m, 2 H) 7.38 - 7.47 (m, 1 H) 7.26 - 7.33 (m, 1 H) 7.11 - 7.23 (m, 3 H) 6.54 (t, J=5.54 Hz, 1 H) 4.67 (d, J=6.04 Hz, 2 H) 4.03 (q, J=6.97 Hz, 2 H) 1.41 (t, J=6.92 Hz, 3 H)
291		N-(3,4-dichlorobenzyl)-2-((5-ethoxypyridin-3-yl)amino)sulfonylbenzamide	(400 MHz, CHLOROFORM-d) d ppm 8.44 (s, 1 H) 8.04 (d, J=2.52 Hz, 1 H) 7.92 (d, J=1.76 Hz, 1 H) 7.73 (d, J=7.81 Hz, 1 H) 7.51 - 7.62 (m, 3 H) 7.40 - 7.50 (m, 2 H) 7.31 (dd, J=8.18, 1.64 Hz, 1 H) 7.21 (t, J=2.14 Hz, 1 H) 6.52 (t, J=5.67 Hz, 1 H) 4.67 (d, J=6.04 Hz, 2 H) 4.03 (q, J=6.97 Hz, 2 H) 1.41 (t, J=6.92 Hz, 3 H)

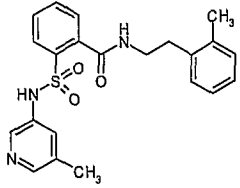
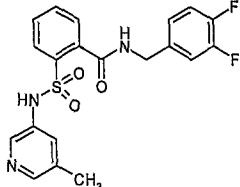
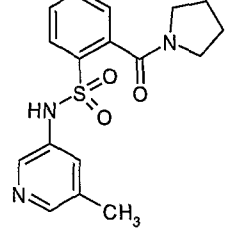
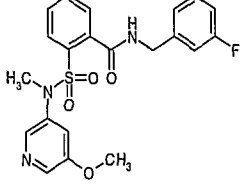
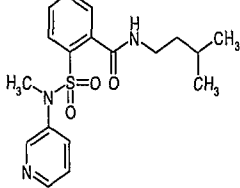
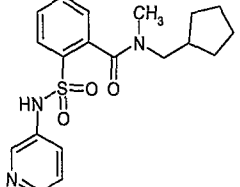
292		2-[[[(5-ethoxypyridin-3-yl)amino]sulfonyl]-N-[2-(2-methylphenyl)ethyl]benzamide	(400 MHz, CHLOROFORM-d) d ppm 8.63 (s, 1 H) 8.05 (d, J=2.52 Hz, 1 H) 7.94 (d, J=2.01 Hz, 1 H) 7.65 - 7.76 (m, 1 H) 7.50 - 7.59 (m, 1 H) 7.33 - 7.45 (m, 2 H) 7.13 - 7.26 (m, 5 H) 6.14 (s, 1 H) 4.03 (q, J=7.05 Hz, 2 H) 3.76 (q, J=6.80 Hz, 2 H) 3.03 (t, J=6.92 Hz, 2 H) 2.40 (s, 3 H) 1.41 (t, J=7.05 Hz, 3 H)
293		N-(cyclopropylmethyl)-2-[[[(5-ethoxypyridin-3-yl)amino]sulfonyl]benzamide	(400 MHz, CHLOROFORM-d) d ppm 8.61 (s, 1 H) 8.04 (d, J=2.52 Hz, 1 H) 7.93 (d, J=2.01 Hz, 1 H) 7.71 (d, J=7.81 Hz, 1 H) 7.52 - 7.61 (m, 2 H) 7.35 - 7.47 (m, 1 H) 7.20 (t, J=2.27 Hz, 1 H) 6.28 (s, 1 H) 4.02 (q, J=7.05 Hz, 2 H) 3.39 (dd, J=7.18, 5.67 Hz, 2 H) 1.28 - 1.51 (m, 3 H) 1.00 - 1.17 (m, 1 H) 0.49 - 0.67 (m, 2 H) 0.33 (q, J=4.78 Hz, 2 H)
294		N-(tert-butyl)-2-[[[(5-ethoxypyridin-3-yl)amino]sulfonyl]benzamide	(400 MHz, CHLOROFORM-d) d ppm 8.55 (s, 1 H) 8.04 (d, J=2.52 Hz, 1 H) 7.93 (d, J=1.76 Hz, 1 H) 7.67 (d, J=7.81 Hz, 1 H) 7.47 - 7.58 (m, 2 H) 7.35 - 7.42 (m, 1 H) 7.18 - 7.22 (m, 1 H) 5.92 (s, 1 H) 4.02 (q, J=6.88 Hz, 2 H) 1.53 (s, 9 H) 1.32 - 1.44 (m, 3 H)
295		5-chloro-2-[[[(5-methoxypyridin-3-yl)amino]sulfonyl]-N-(3-methylbutyl)benzamide	(400 MHz, DMSO-d6) d ppm 9.98 (s, 1 H), 8.74 (t, J=5.31 Hz, 1 H), 8.03 (d, J=2.53 Hz, 1 H), 7.93 (d, J=1.77 Hz, 1 H), 7.78 (d, J=8.59 Hz, 1 H), 7.66 (dd, J=8.46, 2.15 Hz, 1 H), 7.59 (d, J=2.27 Hz, 1 H), 7.15 (t, J=2.27 Hz, 1 H), 3.78 (s, 3 H), 3.24 - 3.32 (m, 2 H), 1.62 - 1.73 (m, J=13.34, 6.95, 6.71, 6.71 Hz, 1 H), 1.43 (q, J=7.16 Hz, 2 H), 1.17 (s, 1 H), 0.91 (d, J=6.57 Hz, 6 H)
296		2-[[[(5-ethoxypyridin-3-yl)amino]sulfonyl]-N-(3-methylbutyl)benzamide	(400 MHz, CHLOROFORM-d) d ppm 8.62 (s, 1 H) 8.04 (d, J=2.52 Hz, 1 H) 7.93 (d, J=2.01 Hz, 1 H) 7.70 (d, J=7.81 Hz, 1 H) 7.48 - 7.61 (m, 2 H) 7.33 - 7.46 (m, 1 H) 7.20 (t, J=2.27 Hz, 1 H) 6.13 (s, 1 H) 3.92 - 4.12 (m, 2 H) 3.41 - 3.64 (m, 2 H) 1.67 - 1.83 (m, 1 H) 1.53 - 1.63 (m, 2 H) 1.23 - 1.43 (m, 3 H) 0.88 - 1.03 (m, 6 H)

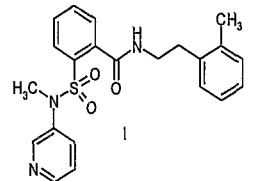
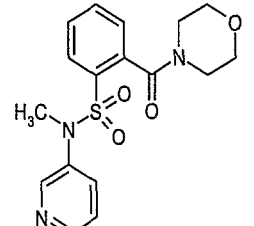
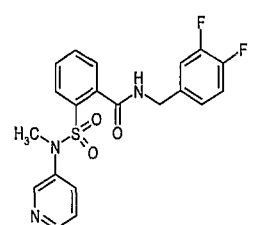
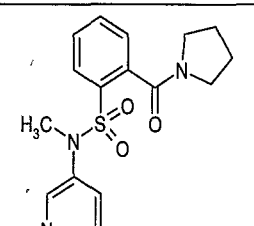
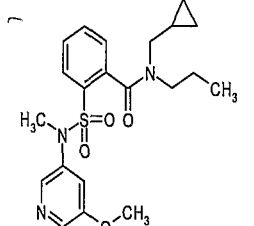
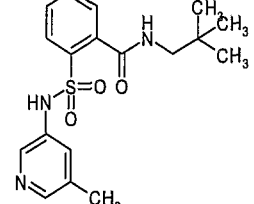
297		N-(5-ethoxypyridin-3-yl)-2-(pyrrolidin-1-ylcarbonyl)benzenesulfonamide	(400 MHz, CHLOROFORM-d) d ppm 8.15 (s, 1 H) 8.05 (d, J=2.27 Hz, 1 H) 7.97 (d, J=1.51 Hz, 1 H) 7.65 (d, J=7.81 Hz, 1 H) 7.57 (t, J=7.55 Hz, 1 H) 7.33 - 7.44 (m, 2 H) 7.18 (s, 1 H) 4.00 (q, J=7.05 Hz, 2 H) 3.72 (s, 1 H) 3.48 (q, J=6.97 Hz, 1 H) 3.29 (t, J=6.55 Hz, 2 H) 1.92 - 2.08 (m, 3 H) 1.39 (t, J=6.92 Hz, 2 H) 1.14 - 1.32 (m, 2 H)
298		2-[(3,3-dimethylpiperidin-1-yl)carbonyl]-N-(5-ethoxypyridin-3-yl)benzenesulfonamide	Mass point = LCMS 418.7 MH+
299		N-(1-cyclopropylethyl)-2-[[5-ethoxypyridin-3-yl]amino]sulfonylbenzamide	(400 MHz, CHLOROFORM-d) d ppm 8.60 (s, 1 H) 8.02 (d, J=2.52 Hz, 1 H) 7.92 (d, J=2.01 Hz, 1 H) 7.71 (d, J=7.81 Hz, 1 H) 7.51 - 7.59 (m, 2 H) 7.36 - 7.46 (m, 1 H) 7.08 - 7.24 (m, 1 H) 6.25 (d, J=7.81 Hz, 1 H) 3.92 - 4.08 (m, 2 H) 1.31 - 1.48 (m, 6 H) 0.83 - 1.04 (m, 1 H) 0.45 - 0.69 (m, 4 H) 0.22 - 0.43 (m, 1 H)
300		N-(1,1-dimethylpropyl)-2-[[5-ethoxypyridin-3-yl]amino]sulfonylbenzamide	(400 MHz, CHLOROFORM-d) d ppm 0.99 (t, J=7.43 Hz, 3 H) 1.16 (t, J=6.92 Hz, 3 H) 1.47 (s, 6 H) 1.89 (q, J=7.55 Hz, 2 H) 3.83 (q, J=6.97 Hz, 2 H) 5.75 (s, 1 H) 6.62 (d, J=5.54 Hz, 1 H) 7.33 - 7.47 (m, 1 H) 7.48 - 7.64 (m, 2 H) 7.76 (d, J=7.81 Hz, 1 H) 8.23 (d, J=5.54 Hz, 1 H) 8.62 (s, 1 H) 8.73 (s, 1 H)
301		N-cyclopropyl-2-[[5-ethoxypyridin-3-yl]amino]sulfonylbenzamide	(400 MHz, CHLOROFORM-d) d ppm 8.50 (s, 1 H) 7.99 - 8.07 (m, 1 H) 7.89 - 7.96 (m, 1 H) 7.63 (d, J=7.81 Hz, 1 H) 7.49 - 7.56 (m, 1 H) 7.43 - 7.49 (m, 1 H) 7.33 - 7.41 (m, 1 H) 7.18 (t, J=2.39 Hz, 1 H) 6.53 (s, 1 H) 3.94 - 4.10 (m, 2 H) 2.89 - 3.02 (m, 1 H) 1.29 - 1.45 (m, 3 H) 0.87 - 0.98 (m, 2 H) 0.70 - 0.80 (m, 2 H)
302		N-cyclohexyl-2-[[5-ethoxypyridin-3-yl]amino]sulfonylbenzamide	(400 MHz, CHLOROFORM-d) d ppm 8.62 (s, 1 H) 7.99 - 8.10 (m, 1 H) 7.93 (d, J=2.01 Hz, 1 H) 7.69 (d, J=7.81 Hz, 1 H) 7.47 - 7.58 (m, 2 H) 7.35 - 7.45 (m, 1 H) 7.20 (t, J=2.27 Hz, 1 H) 6.09 (d, J=8.06 Hz, 1 H) 3.92 - 4.10 (m, 3 H) 2.06 - 2.17 (m, 2 H) 1.62 - 1.87 (m, 4 H) 1.14 - 1.51 (m, 7 H)

303		5-fluoro-2-([(5-methoxypyridin-3-yl)amino]sulfonyl)-N-(3-methylbutyl)benzamide	(400 MHz, CHLOROFORM-d) d ppm 0.99 (d, J=6.57 Hz, 6 H) 1.74 (ddd, J=13.26, 6.82, 6.69 Hz, 1 H) 3.54 (td, J=7.39, 5.94 Hz, 2 H) 3.82 (s, 3 H) 6.05 (s, 1 H) 7.09 (td, J=8.21, 2.53 Hz, 1 H) 7.17 - 7.24 (m, 2 H) 7.73 (dd, J=8.59, 5.31 Hz, 1 H) 7.97 (d, J=2.02 Hz, 1 H) 8.08 (d, J=2.53 Hz, 1 H) 8.45 (s, 1 H)
304		5-fluoro-N-isopropyl-2-([(5-methoxypyridin-3-yl)amino]sulfonyl)-N-methylbenzamide	(400 MHz, CHLOROFORM-d) d ppm 1.21 - 1.27 (m, 3 H) 1.29 (d, J=6.82 Hz, 3 H) 2.77 (s, 1 H) 3.02 (s, 2 H) 3.77 - 3.85 (m, 4 H) 6.99 - 7.07 (m, 2 H) 7.18 (t, J=2.27 Hz, 1 H) 7.61 - 7.68 (m, 1 H) 7.93 - 8.00 (m, 1 H) 8.06 - 8.11 (m, 1 H)
305		N-(5-ethoxypyridin-3-yl)-2-(morpholin-4-ylcarbonyl)benzenesulfonamide	(400 MHz, CHLOROFORM-d) d ppm 8.06 (d, J=2.52 Hz, 1 H) 7.92 (d, J=1.76 Hz, 1 H) 7.87 (d, 1 H) 7.65 (d, J=7.81 Hz, 1 H) 7.54 - 7.61 (m, 1 H) 7.30 - 7.41 (m, 2 H) 7.18 (t, J=2.27 Hz, 1 H) 4.16 - 4.25 (m, 1 H) 3.95 - 4.08 (m, 2 H) 3.82 - 3.88 (m, 2 H) 3.71 - 3.79 (m, 1 H) 3.60 - 3.69 (m, 1 H) 3.49 - 3.60 (m, 1 H) 3.24 - 3.44 (m, 2 H) 1.33 - 1.45 (m, 3 H)
306		N-butyl-2-([(5-ethoxypyridin-3-yl)amino]sulfonyl)benzamide	(400 MHz, CHLOROFORM-d) d ppm 8.62 (s, 1 H) 8.04 (d, J=2.52 Hz, 1 H) 7.94 (d, J=1.76 Hz, 1 H) 7.71 (d, J=7.81 Hz, 1 H) 7.48 - 7.60 (m, 2 H) 7.38 - 7.45 (m, 1 H) 7.21 (t, J=2.27 Hz, 1 H) 6.12 (s, 1 H) 4.02 (q, J=7.05 Hz, 2 H) 3.42 - 3.59 (m, 2 H) 1.58 - 1.72 (m, 2 H) 1.43 - 1.53 (m, 2 H) 1.40 (t, J=6.92 Hz, 3 H) 1.00 (t, J=7.30 Hz, 3 H)
307		5-fluoro-N-(4-fluorobenzyl)-2-([(5-methoxypyridin-3-yl)amino]sulfonyl)benzamide	(400 MHz, CHLOROFORM-d) d ppm 3.83 (s, 3 H) 4.68 (d, J=5.81 Hz, 2 H) 6.43 (s, 1 H) 7.06 - 7.17 (m, 3 H) 7.19 - 7.26 (m, 2 H) 7.41 (dd, J=8.59, 5.31 Hz, 2 H) 7.75 (dd, J=8.72, 5.18 Hz, 1 H) 7.96 (d, J=2.02 Hz, 1 H) 8.08 (d, J=2.53 Hz, 1 H) 8.37 (s, 1 H)

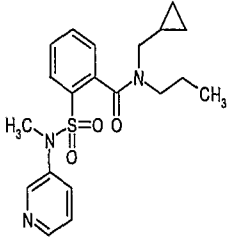
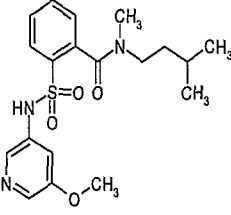
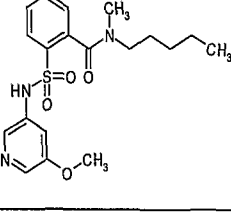
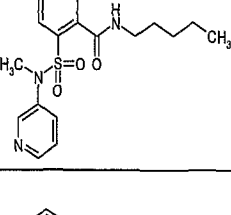
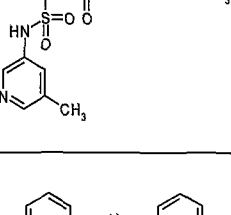
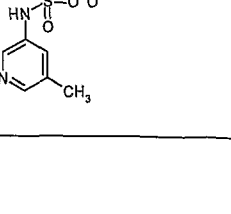
308		4-chloro-N-(5-methoxypyridin-3-yl)-2-[(3-methylpiperidin-1-yl)carbonyl]benzenesulfonamide	(400 MHz, CHLOROFORM-d) d ppm 8.57 (s, 1 H), 8.23 (s, 1 H), 8.16 (s, 1 H), 7.65 - 7.72 (m, 1 H), 7.45 - 7.53 (m, 1 H), 7.30 - 7.42 (m, 2 H), 3.90 (s, 3 H), 3.04 - 3.15 (m, 1 H), 2.77 - 2.85 (m, 1 H), 2.71 (dd, J=11.37, 6.32 Hz, 1 H), 2.45 - 2.55 (m, 1 H), 1.92 (d, J=4.29 Hz, 1 H), 1.77 (d, J=4.29 Hz, 1 H), 1.73 (s, 1 H), 1.58 (d, J=13.64 Hz, 1 H), 1.26 (s, 1 H), 1.14 - 1.23 (m, 1 H), 1.04 (dd, J=19.58, 6.44 Hz, 1 H), 0.78 - 0.90 (m, 1 H)
309		5-chloro-N-isopropyl-2-[[[(5-methoxypyridin-3-yl)amino]sulfonyl]-N-methylbenzamide	(400 MHz, CHLOROFORM-d) d ppm 8.21 (d, J=2.27 Hz, 1 H), 8.13 (s, 1 H), 7.65 (dd, J=8.34, 5.56 Hz, 1 H), 7.43 (t, J=2.15 Hz, 1 H), 7.39 (ddd, J=8.34, 4.04, 2.02 Hz, 1 H), 7.34 (t, J=1.89 Hz, 1 H), 3.89 (s, 3 H), 3.03 (s, 1 H), 2.90 (s, 3 H), 2.78 (s, 1 H), 1.25 - 1.34 (m, 4 H), 1.23 (d, J=6.57 Hz, 1 H)
310		5-chloro-N-(4-fluorobenzyl)-2-[[[(5-methoxypyridin-3-yl)amino]sulfonyl]benzamide	(400 MHz, DMSO-d6) d ppm 10.07 (s, 1 H), 9.29 (t, J=5.81 Hz, 1 H), 8.03 (d, J=2.78 Hz, 1 H), 7.95 (d, J=2.02 Hz, 1 H), 7.82 (d, J=8.34 Hz, 1 H), 7.65 - 7.72 (m, 2 H), 7.45 (dd, J=8.34, 5.56 Hz, 2 H), 7.20 (s, 1 H), 7.17 (ddd, J=4.61, 2.21, 2.02 Hz, 2 H), 4.49 (d, J=5.81 Hz, 2 H), 3.77 (s, 3 H)
311		N-(1-cyclopropylethyl)-2-[[[(5-methoxypyridin-3-yl)amino]sulfonyl]benzamide	(400 MHz, CHLOROFORM-d) d ppm 8.61 (s, 1 H), 8.05 (d, J=2.52 Hz, 1 H), 7.95 (d, J=2.01 Hz, 1 H), 7.72 (d, J=8.06 Hz, 1 H), 7.50 - 7.61 (m, 2 H), 7.36 - 7.45 (m, 1 H), 7.23 (t, J=2.27 Hz, 1 H), 6.12 (s, 1 H), 3.81 (s, 3 H), 3.56 - 3.70 (m, 1 H), 1.39 (d, J=6.55 Hz, 3 H), 0.88 - 1.02 (m, 1 H), 0.44 - 0.70 (m, 3 H), 0.29 - 0.43 (m, 1 H)
312		N-[4-fluoro-3-(trifluoromethyl)benzyl]-2-[[[(5-methoxypyridin-3-yl)amino]sulfonyl]benzamide	(400 MHz, CHLOROFORM-d) d ppm 8.37 (s, 1 H), 8.15 (dd, J=9.69, 1.64 Hz, 2 H), 7.64 - 7.74 (m, 3 H), 7.50 - 7.60 (m, 2 H), 7.39 - 7.47 (m, 2 H), 7.20 - 7.26 (m, 1 H), 6.67 (t, J=5.67 Hz, 1 H), 4.73 (d, J=5.79 Hz, 2 H), 2.28 (s, 3 H)

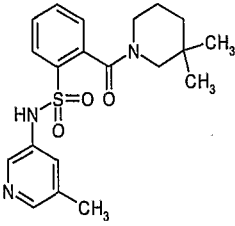
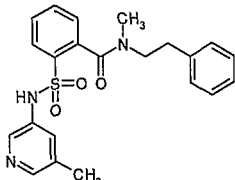
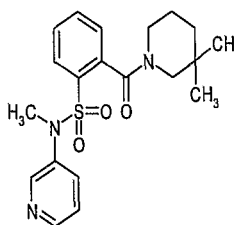
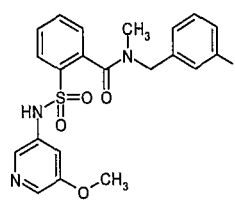
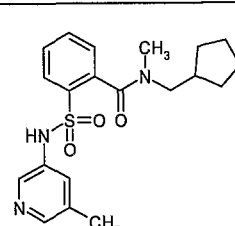
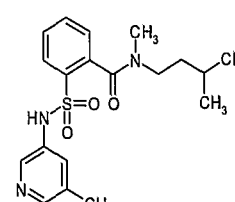
313		N-(1,2-dimethylpropyl)-2-(((5-methoxypyridin-3-yl)amino)sulfonyl)benzamide	(400 MHz, CHLOROFORM-d) d ppm 8.39 (d, J=2.27 Hz, 1 H) 8.16 (dd, J=8.44, 1.64 Hz, 2 H) 7.70 (d, J=7.55 Hz, 1 H) 7.51 - 7.61 (m, 3 H) 7.39 - 7.49 (m, 3 H) 7.31 (dd, J=8.31, 2.01 Hz, 1 H) 6.59 (t, J=5.79 Hz, 1 H) 4.67 (d, J=6.04 Hz, 2 H) 2.28 (s, 3 H)
314		N-(3,4-dichlorobenzyl)-2-(((5-methoxypyridin-3-yl)amino)sulfonyl)benzamide	(400 MHz, CHLOROFORM-d) d ppm 8.39 (d, J=2.27 Hz, 1 H) 8.16 (dd, J=8.44, 1.64 Hz, 2 H) 7.70 (d, J=7.55 Hz, 1 H) 7.51 - 7.61 (m, 3 H) 7.39 - 7.49 (m, 3 H) 7.31 (dd, J=8.31, 2.01 Hz, 1 H) 6.59 (t, J=5.79 Hz, 1 H) 4.67 (d, J=6.04 Hz, 2 H) 2.28 (s, 3 H)
315		N-(1-cyclopropylethyl)-2-(((5-methylpyridin-3-yl)amino)sulfonyl)benzamide	(400 MHz, CHLOROFORM-d) d ppm 8.54 (s, 1 H) 8.18 (s, 2 H) 7.70 (d, J=7.81 Hz, 1 H) 7.50 - 7.60 (m, 2 H) 7.36 - 7.48 (m, 2 H) 6.12 (s, 1 H) 3.57 - 3.70 (m, 1 H) 2.27 (s, 3 H) 1.39 (d, J=6.55 Hz, 3 H) 0.90 - 1.01 (m, 1 H) 0.45 - 0.66 (m, 3 H) 0.30 - 0.43 (m, 1 H)
316		N-[4-fluoro-3-(trifluoromethyl)benzyl]-2-(((5-methylpyridin-3-yl)amino)sulfonyl)benzamide	(400 MHz, CHLOROFORM-d) d ppm 8.37 (s, 1 H) 8.15 (dd, J=9.69, 1.64 Hz, 2 H) 7.64 - 7.74 (m, 3 H) 7.50 - 7.60 (m, 2 H) 7.39 - 7.47 (m, 2 H) 7.20 - 7.26 (m, 1 H) 6.67 (t, J=5.67 Hz, 1 H) 4.73 (d, J=5.79 Hz, 2 H) 2.28 (s, 3 H)
317		N-(1,2-dimethylpropyl)-2-(((5-methylpyridin-3-yl)amino)sulfonyl)benzamide	(400 MHz, CHLOROFORM-d) d ppm 8.39 (d, J=2.27 Hz, 1 H) 8.16 (dd, J=8.44, 1.64 Hz, 2 H) 7.70 (d, J=7.55 Hz, 1 H) 7.51 - 7.61 (m, 3 H) 7.39 - 7.49 (m, 3 H) 7.31 (dd, J=8.31, 2.01 Hz, 1 H) 6.59 (t, J=5.79 Hz, 1 H) 4.67 (d, J=6.04 Hz, 2 H) 2.28 (s, 3 H)
318		N-(3,4-dichlorobenzyl)-2-(((5-methylpyridin-3-yl)amino)sulfonyl)benzamide	(400 MHz, CHLOROFORM-d) d ppm 8.39 (d, J=2.27 Hz, 1 H) 8.16 (dd, J=8.44, 1.64 Hz, 2 H) 7.70 (d, J=7.55 Hz, 1 H) 7.51 - 7.61 (m, 3 H) 7.39 - 7.49 (m, 3 H) 7.31 (dd, J=8.31, 2.01 Hz, 1 H) 6.59 (t, J=5.79 Hz, 1 H) 4.67 (d, J=6.04 Hz, 2 H) 2.28 (s, 3 H)

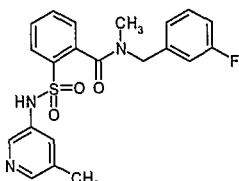
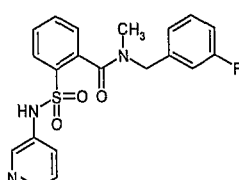
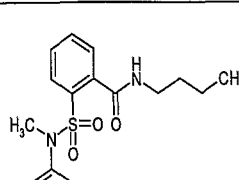
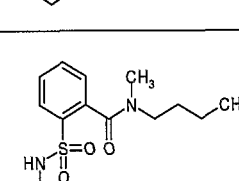
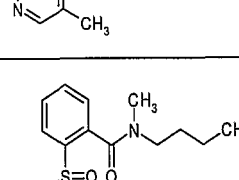
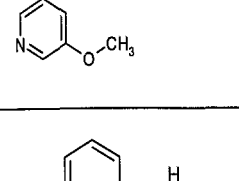
319		N-[2-(2-methylphenyl)ethyl]-2-[[5-methylpyridin-3-yl]amino]sulfonylbenzamide	(400 MHz, CHLOROFORM-d) d ppm 2.15 - 2.46 (m, 3 H) 2.80 - 2.98 (m, 3 H) 3.39 - 3.51 (m, 2 H) 3.50 - 3.70 (m, 2 H) 5.90 - 6.41 (m, 1 H) 6.98 - 7.31 (m, 7 H) 7.36 - 7.71 (m, 3 H) 8.01 (s, 1 H) 8.49 (dd, J=9.69, 3.15 Hz, 1 H)
320		N-(3,4-difluorobenzyl)-2-[[5-methylpyridin-3-yl]amino]sulfonylbenzamide	(400 MHz, CHLOROFORM-d) d ppm 8.39 (d, J=2.27 Hz, 1 H) 8.16 (dd, J=8.44, 1.64 Hz, 2 H) 7.70 (d, J=7.55 Hz, 1 H) 7.51 - 7.61 (m, 3 H) 7.39 - 7.49 (m, 3 H) 7.31 (dd, J=8.31, 2.01 Hz, 1 H) 6.59 (t, J=5.79 Hz, 1 H) 4.67 (d, J=6.04 Hz, 2 H) 2.28 (s, 3 H)
321		N-(5-methylpyridin-3-yl)-2-(pyrrolidin-1-yl)carbonylbenzenesulfonamide	(400 MHz, CHLOROFORM-d) d ppm 8.50 (d, J=2.52 Hz, 2 H) 7.52 - 7.70 (m, 2 H) 7.39 (d, J=7.55 Hz, 1 H) 7.31 - 7.37 (m, 2 H) 7.20 - 7.29 (m, 1 H) 3.63 (s, 2 H) 3.33 - 3.38 (m, 3 H) 3.23 - 3.32 (m, 1 H) 3.03 (s, 1 H) 1.80 - 2.07 (m, 4 H)
322		N-(3-fluorobenzyl)-2-[[5-methoxypyridin-3-yl](methyl)amino]sulfonylbenzamide	(400 MHz, MeOD) δ 8.300 (s, 2H), 7.744-6.972 (m, 9H), 4.441 (s, 2H), 3.913 (s, 3H), 3.324 (s, 3H)
323		N-(3-methylbutyl)-2-[[methyl(pyridin-3-yl)amino]sulfonyl]benzamide	(400 MHz, MeOD) δ 8.470 (m, 2H), 7.743 (m, 2H), 7.514 (m, 5H), 3.364 (m, 5H), 1.735 (m, 1H), 1.514 (m, 2H), 0.963 (d, J=8.8 Hz, 6H)
324		N-(cyclopentylmethyl)-N-methyl-2-[[pyridin-3-ylamino]sulfonyl]benzamide	(400 MHz, MeOD) δ 8.600 (s, 1H), 8.450 (s, 1H), 8.153 (m, 1H), 7.982 (m, 1H), 7.771 (m, 2H), 7.611 (m, 1H), 7.441 (m, 1H), 3.713 (m, 1H), 3.294 (m, 2H), 2.854 (s, 2H), 2.419 (m, 1H), 1.863-1.000 (m, 8H)

325		N-[2-(2-methylphenyl)ethyl]-2-[[methyl(pyridin-3-yl)amino]sulfonyl]benzamide	(400 MHz, CHLOROFORM-d) δ ppm 2.15 - 2.46 (m, 3 H) 2.80 - 2.98 (m, 3 H) 3.39 - 3.51 (m, 2 H) 3.50 - 3.70 (m, 2 H) 5.90 - 6.41 (m, 1 H) 6.98 - 7.31 (m, 7 H) 7.36 - 7.71 (m, 3 H) 8.01 (s, 1 H) 8.49 (dd, J=9.69, 3.15 Hz, 1 H)
326		N-methyl-2-(morpholin-4-ylcarbonyl)-N-pyridin-3-ylbenzenesulfonamide	(400 MHz, CHLOROFORM-d) δ ppm 2.61 - 3.03 (m, 3 H) 3.02 - 3.19 (m, 1 H) 3.17 - 3.29 (m, 1 H) 3.43 - 3.59 (m, 1 H) 3.65 - 3.90 (m, 5 H) 7.00 - 7.48 (m, 4 H) 7.53 - 7.76 (m, 2 H) 8.39 - 8.66 (m, 2 H)
327		N-(3,4-difluorobenzyl)-2-[[methyl(pyridin-3-yl)amino]sulfonyl]benzamide	(400 MHz, CHLOROFORM-d) δ ppm 2.92 - 3.03 (m, 3 H) 3.21 - 3.39 (m, 2 H) 4.47 (d, J=5.79 Hz, 1 H) 6.32 (s, 1 H) 6.99 - 7.32 (m, 3 H) 7.35 - 7.48 (m, 1 H) 7.50 - 7.68 (m, 4 H) 8.01 (s, 1 H) 8.50 (d, J=2.77 Hz, 1 H)
328		N-methyl-N-pyridin-3-yl-2-(pyrrolidin-1-ylcarbonyl)benzenesulfonamide	(400 MHz, CHLOROFORM-d) δ ppm 8.50 (d, J=2.52 Hz, 2 H) 7.52 - 7.70 (m, 2 H) 7.39 (d, J=7.55 Hz, 1 H) 7.31 - 7.37 (m, 2 H) 7.20 - 7.29 (m, 1 H) 3.63 (s, 2 H) 3.33 - 3.38 (m, 3 H) 3.23 - 3.32 (m, 1 H) 3.03 (s, 1 H) 1.80 - 2.07 (m, 4 H)
329		N-(cyclopropylmethyl)-2-[[5-methoxypyridin-3-yl](methyl)amino]sulfonyl-N-propylbenzamide	(400 MHz, MeOD) δ 8.453 (m, 2H), 7.802 (m, 3H), 7.667 (m, 1H), 7.432 (m, 1H), 3.956 (s, 3H), 3.594 (m, 1H), 3.344 (s, 3H), 3.294-2.868 (m, 3H), 1.685-1.579 (m, 2H), 0.974 (m, 3H), 0.700-0.100 (m, 5H)
330		N-(2,2-dimethylpropyl)-2-[[5-methylpyridin-3-yl]amino]sulfonylbenzamide	(400 MHz, MeOD) δ 8.440 (s, 1H), 8.312 (s, 1H), 7.939 (m, 2H), 7.705 (m, 1H), 7.610 (m, 2H), 3.237 (s, 2H), 2.416 (s, 3H), 1.029 (s, 9H)

331		N-(cyclopropylmethyl)-2-([(5-methylpyridin-3-yl)amino]sulfonyl)-N-propylbenzamide	(400 MHz, MeOD) δ 8.453 (s, 1H), 8.340 (s, 1H), 7.977 (m, 2H), 7.740 (m, 1H), 7.694 (m, 1H), 7.449 (m, 1H), 3.631 (m, 2H), 3.024 (m, 2H), 2.439 (s, 3H), 1.818-1.500 (m, 2H), 1.300-0.348 (m, 8H)
332		N-(cyclopentylmethyl)-2-([methyl(pyridin-3-yl)amino]sulfonyl)benzamide	(400 MHz, MeOD) δ 8.799 (m, 1H), 8.620 (d, 1H), 8.333 (m, 1H), 7.938-7.434 (m, 5H), 3.366 (s, 3H), 3.166 (d, J=9.6 Hz, 2H), 2.130 (m, 1H), 1.831-1.587 (m, 6H), 1.300 (m, 2H)
333		2-[(3,5-dimethylpiperidin-1-yl)carbonyl]-N-(5-methylpyridin-3-yl)benzenesulfonamide	(400 MHz, MeOD): δ 8.458 (m, 1H), 8.320 (s, 1H), 7.936 (m, 2H), 7.746-7.395 (m, 3H), 4.672 (m, 1H), 3.243 (m, 1H), 2.689 (m, 1H), 2.433 (s, 3H), 2.365 (m, 1H), 1.902-1.649 (m, 3H), 1.012 (m, 3H), 0.952 (m, 1H), 0.752 (m, 3H)
334		N-(cyclopentylmethyl)-2-([(5-methylpyridin-3-yl)amino]sulfonyl)benzamide	(400 MHz, MeOD) δ 8.446 (s, 1H), 8.325 (s, 1H), 7.954 (s, 1H), 7.898 (m, 1H), 7.717 (m, 1H), 7.591 (m, 2H), 3.346 (m, 2H), 2.419 (s, 3H), 2.305 (m, 1H), 1.897-1.337 (m, 8H)
335		N-benzyl-N-methyl-2-([(5-methylpyridin-3-yl)amino]sulfonyl)benzamide	(400 MHz, MeOD): δ 8.400 (s, 1H), 8.290 (s, 1H), 7.900 (m, 2H), 7.717-7.210 (m, 8H), 4.878 (s, 2H), 2.981 (s, 1H), 2.716 (s, 2H), 2.373 (s, 3H).
336		N-(4-methoxybenzyl)-2-([methyl(pyridin-3-yl)amino]sulfonyl)benzamide	(400 MHz, MeOD) δ 8.750 (m, 1H), 8.580 (m, 1H), 8.238 (m, 1H), 7.825-7.470 (m, 5H), 7.265 (d, J=6.0 Hz, 2H), 6.872 (d, J=9.2 Hz, 2H), 4.326 (s, 1H), 3.766 (s, 3H), 3.325 (s, 3H)

337		N-(cyclopropylmethyl)-2-[[methyl(pyridin-3-yl)amino]sulfonyl]-N-propylbenzamide	(400 MHz, MeOD) δ 8.755 (s, 1H), 8.651 (m, 1H), 8.320 (m, 1H), 7.936-7.620 (m, 4H), 7.414 (m, 1H), 3.522-2.856 (m, 7H), 1.651 (m, 2H), 1.017 (m, 3H), 0.700-0.100 (m, 5H)
338		2-[[[(5-methoxypyridin-3-yl)amino]sulfonyl]-N-methyl-N-(3-methylbutyl)benzamide	(400 MHz, MeOD) δ 8.159 (s, 2H), 7.987 (m, 1H), 7.746 (m, 1H), 7.696 (m, 2H), 7.460 (m, 1H), 3.926 (s, 3H), 3.611 (m, 1H), 3.128 (m, 2H), 2.831 (2H), 1.722-1.364 (m, 3H), 1.017 (d, J=8.8 Hz, 3H), 0.752 (m, 3H)
339		2-[[[(5-methoxypyridin-3-yl)amino]sulfonyl]-N-methyl-N-pentylbenzamide	(400 MHz, MeOD) δ 8.121 (m, 2H), 7.987 (m, 1H), 7.732 (m, 1H), 7.605 (m, 2H), 7.447 (m, 1H), 3.899 (s, 3H), 3.563 (m, 1H), 3.102 (m, 2H), 2.827 (s, 2H), 1.742-1.399 (m, 4H), 1.194 (m, 2H), 0.990 (m, 2H), 0.840 (m, 1H)
340		2-[[methyl(pyridin-3-yl)amino]sulfonyl]-N-pentylbenzamide	(400 MHz, MeOD) δ 8.800 (s, 1H), 8.643 (d, J=6.8 Hz, 1H), 8.377 (m, 1H), 7.964-7.428 (m, 5H), 3.367 (s, 3H), 3.186 (m, 2H), 1.540 (m, 2H), 1.361 (m, 4H), 0.949 (m, 3H)
341		N-methyl-2-[[[(5-methylpyridin-3-yl)amino]sulfonyl]-N-pentylbenzamide	(400 MHz, MeOD) δ 8.480 (s, 1H), 8.350 (s, 1H), 8.010 (m, 2H), 7.752 (m, 2H), 7.445 (m, 1H), 3.597 (m, 1H), 3.114 (m, 2H), 2.833 (s, 2H), 2.447 (s, 3H), 1.744-1.402 (m, 4H), 1.202 (m, 2H), 0.992 (m, 2H), 0.853 (m, 1H)
342		N-(3-fluorobenzyl)-2-[[[(5-methylpyridin-3-yl)amino]sulfonyl]benzamide	(400 MHz, MeOD) δ 8.500 (s, 1H), 8.300 (s, 1H), 7.955 (m, 2H), 7.738-7.562 (m, 3H), 7.398-7.192 (m, 3H), 7.032 (m, 1H), 4.623 (s, 2H), 2.420 (s, 3H)

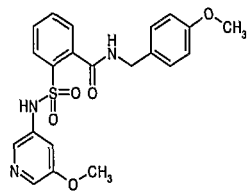
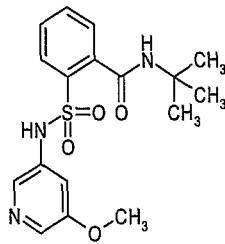
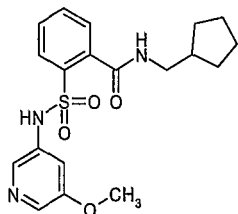
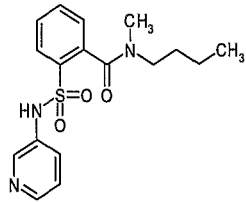
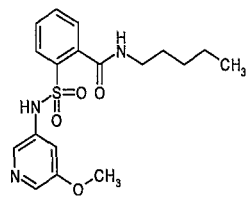
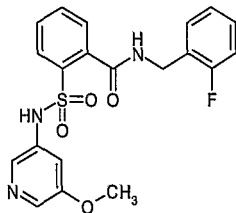
343		2-[(3,3-dimethylpiperidin-1-yl)carbonyl]-N-(5-methylpyridin-3-yl)benzenesulfonamide	(400 MHz, MeOD) δ 8.408 (m, 1H), 8.308 (m, 1H), 7.965 (m, 2H), 7.719 (m, 1H), 7.586 (m, 1H), 7.421 (m, 1H), 3.580 (m, 1H), 3.170 (m, 2H), 2.862 (s, 1H), 2.422 (s, 3H), 1.800-1.498 (m, 4H), 1.086 (s, 6H)
344		N-methyl-2-[[[5-methylpyridin-3-yl]amino]sulfonyl]-N-(2-phenylethyl)benzamide	(400 MHz, MeOD): δ 8.490 (dd, 2H), 8.350 (d, 2H), 8.050 (m, 4H), 7.708-7.449 (m, 4H), 7.336-7.221 (m, 9H), 6.997 (m, 2H), 6.592 (m, 1H), 4.000-3.600 (m, 2H), 3.334 (m, 2H), 3.265 (s, 3H), 3.164-2.814 (m, 4H), 2.764 (s, 3H), 2.433 (s, 3H), 2.406 (s, 3H).
345		2-[(3,3-dimethylpiperidin-1-yl)carbonyl]-N-methyl-N-pyridin-3-ylbenzenesulfonamide	(400 MHz, MeOD) δ 8.800 (s, 1H), 8.650 (d, 1H), 8.300 (m, 1H), 7.800-7.610 (m, 4H), 7.402 (d, J=10 Hz, 1H), 3.370 (m, 4H), 3.100 (m, 2H), 2.737 (m, 1H), 1.626 (m, 4H), 1.100-0.700 (m, 6H)
346		N-(3-fluorobenzyl)-2-[[[5-methoxypyridin-3-yl]amino]sulfonyl]-N-methylbenzamide	(400 MHz, MeOD) δ 8.180 (s, 2H), 7.950 (d, 1H), 7.704-7.232 (m, 6H), 7.102 (m, 2H), 4.817 (m, 2H), 3.895 (s, 3H), 3.034 (s, 1H), 2.773 (s, 2H)
347		N-(cyclopentylmethyl)-N-methyl-2-[[[5-methylpyridin-3-yl]amino]sulfonyl]benzamide	(400 MHz, MeOD) δ 8.445 (s, 1H), 8.342 (s, 1H), 7.992 (m, 2H), 7.753 (m, 2H), 7.440 (m, 1H), 3.694 (m, 1H), 3.119 (m, 2H), 2.857 (s, 2H), 2.441 (m, 4H), 1.872-1.000 (m, 9H)
348		N-methyl-N-(3-methylbutyl)-2-[[[5-methylpyridin-3-yl]amino]sulfonyl]benzamide	(400 MHz, MeOD) δ 8.500 (s, 1H), 8.350 (s, 1H), 8.024 (m, 2H), 7.750 (m, 2H), 7.454 (m, 1H), 3.617 (m, 1H), 3.132 (m, 2H), 2.454 (s, 2H), 1.732 (m, 2H), 1.397 (m, 1H), 1.018 (d, J=8.4 Hz, 3H), 0.753 (m, 3H)

349		N-(3-fluorobenzyl)-N-methyl-2-[[5-methylpyridin-3-yl]amino]sulfonylbenzamide	(400 MHz, MeOD) δ 8.480 (s, 1H), 8.320 (s, 1H), 7.987 (m, 2H), 7.766-7.228 (m, 5H), 7.102 (m, 2H), 4.802 (s, 2H), 3.032 (s, 1H), 2.777 (s, 2H), 2.436 (s, 3H)
350		N-(3-fluorobenzyl)-N-methyl-2-[[pyridin-3-ylamino]sulfonyl]benzamide	(400 MHz, MeOD) δ 8.650 (br, 1H), 8.485 (br, 1H), 8.181 (m, 1H), 7.996 (m, 1H), 7.749-6.998 (m, 8H), 4.801 (m, 2H), 2.767 (s, 3H)
351		N-butyl-2-[[methyl(pyridin-3-yl)amino]sulfonyl]benzamide	(400 MHz, MeOD) δ 8.800 (s, 1H), 8.655 (d, J=7.2 Hz, 1H), 8.415 (m, 1H), 7.980-7.627 (m, 4H), 7.459 (d, J=10 Hz, 1H), 3.307 (s, 3H), 3.192 (m, 2H), 1.564 (m, 4H), 0.937 (m, 3H)
352		N-butyl-N-methyl-2-[[5-methylpyridin-3-yl]amino]sulfonylbenzamide	(400 MHz, MeOD) δ 8.450 (s, 1H), 8.352 (s, 1H), 7.995 (m, 2H), 7.749 (m, 2H), 7.415 (m, 1H), 3.578 (m, 1H), 3.120 (m, 2H), 2.830 (s, 2H), 2.446 (s, 3H), 1.731-1.414 (m, 3H), 1.196 (m, 1H), 1.041 (m, 2H), 0.819 (m, 1H)
353		N-butyl-2-[[5-methoxypyridin-3-yl]amino]sulfonyl-N-methylbenzamide	(400 MHz, MeOD) δ 8.200 (s, 2H), 7.980 (m, 1H), 7.745 (m, 1H), 7.625 (m, 2H), 7.451 (m, 1H), 3.925 (s, 3H), 3.578 (m, 1H), 3.116 (s, 2H), 2.836 (s, 2H), 1.734-1.412 (m, 3H), 1.195 (m, 1H), 1.039 (m, 2H), 0.810 (m, 1H)
354		N-(tert-butyl)-2-[[5-methylpyridin-3-yl]amino]sulfonylbenzamide	(400 MHz, MeOD) δ 8.466 (s, 1H), 8.330 (s, 1H), 7.971 (m, 2H), 7.863 (m, 1H), 7.666 (m, 1H), 7.550 (m, 1H), 2.426 (s, 3H), 1.468 (s, 9H)

355		N-benzyl-N-methyl-2- {[methyl(pyridin-3- yl)amino]sulfonyl}benzamide	(400 MHz, MeOD) δ 8.800 (s, 1H), 8.650 (m, 1H), 8.365 (m, 1H), 8.000-7.163 (m, 10H), 4.667 (m, 1H), 4.259 (m, 1H), 3.468 (s, 3H), 2.808 (s, 1H), 2.638 (s, 2H)
356		N-methyl-2-[(4-methylpiperidin-1- yl)carbonyl]-N-pyridin-3- ylbenzenesulfonamide	(400 MHz, MeOD) δ 8.800 (m, 1H), 8.650 (d, 1H), 8.400 (m, 1H), 7.980-7.625 (m, 4H), 7.422 (m, 1H), 4.327 (m, 1H), 3.392 (s, 3H), 3.296-2.567 (m, 3H), 1.800- 0.900 (m, 9H)
357		N-(3-fluorobenzyl)-2- {[methyl(pyridin-3- yl)amino]sulfonyl}benzamide	(400 MHz, MeOD) δ 8.780 (m, 1H), 8.590 (m, 1H), 8.258 (m, 1H), 7.900-6.942 (m, 9H), 4.403 (s, 2H), 3.314 (s, 3H)
358		2-[(3,5-dimethylpiperidin-1- yl)carbonyl]-N-methyl-N-pyridin- 3-ylbenzenesulfonamide	(400 MHz, MeOD) δ 8.800 (d, 1H), 8.650 (d, 1H), 8.350 (m, 1H), 7.914-7.628 (m, 4H), 7.388 (m, 1H), 4.368 (m, 1H), 3.362 (s, 3H), 3.116 (m, 1H), 2.565 (m, 1H), 2.226 (m, 1H), 1.913-1.670 (m, 3H), 1.000-0.600 (m, 7H)
359		N-(2,2-dimethylpropyl)-2- {[methyl(pyridin-3- yl)amino]sulfonyl}benzamide	(400 MHz, MeOD) δ 8.821 (d, J=3.2 Hz, 1H), 8.631 (d, 1H), 8.370 (m, 1H), 7.919 (m, 2H), 7.753 (m, 2H), 7.478 (m, 1H), 3.373 (s, 3H), 2.996 (s, 2H), 0.919 (s, 9H)
360		2-[[[5-methylpyridin-3- yl)amino]sulfonyl]-N- pentylbenzamide	(400 MHz, MeOD) δ 8.462 (s, 1H), 8.334 (s, 1H), 7.978 (m, 2H), 7.713 (m, 1H), 7.586 (m, 2H), 3.413 (m, 2H), 2.430 (s, 3H), 1.662 (m, 2H), 1.418 (m, 4H), 0.957 (m, 3H)

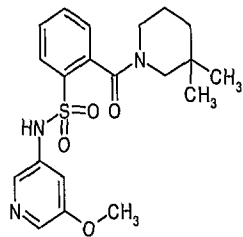
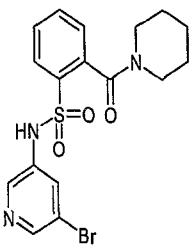
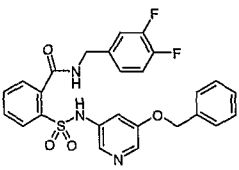
361		N-(4-methoxybenzyl)-2-[(5-methylpyridin-3-yl)amino]sulfonylbenzamide	(400 MHz, MeOD) δ 8.439 (s, 1H), 8.305 (s, 1H), 7.934 (m, 2H), 7.681 (m, 1H), 7.592 (m, 2H), 7.372 (d, J=12 Hz, 2H), 6.920 (d, J=12 Hz, 2H), 4.544 (s, 2H), 3.783 (s, 3H), 2.405 (s, 3H)
362		N-(3-methylbutyl)-2-[(5-methylpyridin-3-yl)amino]sulfonylbenzamide	(400 MHz, MeOD) δ 8.437 (s, 1H), 8.312 (s, 1H), 7.950 (m, 2H), 7.715 (m, 1H), 7.585 (m, 2H), 3.452 (m, 2H), 2.417 (s, 3H), 1.767 (m, 12H), 1.581 (m, 2H), 0.992 (d, J=8.8 Hz, 6H)
363		2-[(4-methylpiperidin-1-yl)carbonyl]-N-(5-methylpyridin-3-yl)benzenesulfonamide	(400 MHz, MeOD) δ 8.500-8.300 (m, 2H), 7.948 (m, 2H), 7.747-7.384 (m, 3H), 4.695 (m, 1H), 3.402 (m, 1H), 3.297-2.809 (m, 2H), 2.437 (s, 3H), 1.853-1.100 (m, 5H), 1.000 (m, 3H)
364		2-[(5-methoxypyridin-3-yl)(methyl)amino]sulfonyl-N-pentylbenzamide	(400 MHz, MeOD) δ 8.285 (m, 2H), 7.744-7.455 (m, 5H), 3.912 (s, 3H), 3.331 (s, 3H), 3.292 (m, 2H), 1.590 (m, 2H), 1.385 (m, 4H), 0.934 (m, 3H)
365		2-[(4-hydroxypiperidin-1-yl)carbonyl]-N-(5-methoxypyridin-3-yl)benzenesulfonamide	(400 MHz, CHLOROFORM-d) δ ppm 8.05 - 8.10 (m, 1 H) 8.02 - 8.05 (m, 1 H) 7.94 (dd, J=4.66, 1.64 Hz, 1 H) 7.64 (dd, J=8.06, 3.78 Hz, 1 H) 7.53 - 7.60 (m, 1 H) 7.31 - 7.40 (m, 2 H) 7.14 - 7.22 (m, 1 H) 4.07 - 4.17 (m, 1 H) 3.83 - 3.98 (m, 1 H) 3.80 (d, J=2.27 Hz, 3 H) 3.50 - 3.64 (m, 1 H) 3.10 - 3.31 (m, 2 H) 1.95 - 2.17 (m, 2 H) 1.59 - 1.84 (m, 3 H)
366		2-[(4-methoxypiperidin-1-yl)carbonyl]-N-(5-methoxypyridin-3-yl)benzenesulfonamide	(400 MHz, CHLOROFORM-d) δ ppm 8.07 (d, J=2.52 Hz, 2 H) 7.92 - 7.97 (m, 1 H) 7.64 (d, J=7.81 Hz, 1 H) 7.52 - 7.59 (m, 1 H) 7.32 - 7.40 (m, 2 H) 7.14 - 7.21 (m, 1 H) 3.98 - 4.25 (m, 1 H) 3.79 (s, 3 H) 3.63 - 3.75 (m, 1 H) 3.42 - 3.59 (m, 2 H) 3.33 - 3.39 (m, 3 H) 3.13 - 3.29 (m, 1 H) 1.72 - 2.04 (m, 3 H) 1.52 - 1.68 (m, 1 H)

367		N-(5-methoxypyridin-3-yl)-2-(morpholin-4-ylcarbonyl)benzenesulfonamide	(400 MHz, CHLOROFORM-d) δ ppm 8.08 (d, J=2.52 Hz, 1 H) 7.88 - 7.97 (m, 2 H) 7.65 (d, J=7.81 Hz, 1 H) 7.58 (t, J=7.55 Hz, 1 H) 7.32 - 7.42 (m, 2 H) 7.19 (s, 1 H) 4.15 - 4.25 (m, 1 H) 3.85 (t, J=3.90 Hz, 2 H) 3.80 (s, 3 H) 3.71 - 3.79 (m, 1 H) 3.61 - 3.69 (m, 1 H) 3.50 - 3.59 (m, 1 H) 3.28 - 3.44 (m, 2 H)
368		N-(3,4-difluorobenzyl)-2-[[5-methoxypyridin-3-yl]amino]sulfonylbenzamide	(400 MHz, CHLOROFORM-d) δ ppm 8.48 (s, 1 H) 8.05 (d, J=2.52 Hz, 1 H) 7.93 (d, J=2.01 Hz, 1 H) 7.73 (d, J=8.06 Hz, 1 H) 7.52 - 7.64 (m, 2 H) 7.41 - 7.48 (m, 1 H) 7.27 - 7.32 (m, 2 H) 7.23 (t, J=2.27 Hz, 1 H) 7.15 - 7.20 (m, 2 H) 4.67 (d, J=5.79 Hz, 2 H) 3.82 (s, 3 H)
369		N-(5-methoxypyridin-3-yl)-2-(pyrrolidin-1-ylcarbonyl)benzenesulfonamide	(400 MHz, CHLOROFORM-d) δ ppm 8.17 (s, 1 H) 8.06 (t, J=2.39 Hz, 1 H) 7.98 (s, 1 H) 7.65 (d, J=7.81 Hz, 1 H) 7.52 - 7.61 (m, 1 H) 7.31 - 7.46 (m, 2 H) 7.19 (d, J=2.27 Hz, 1 H) 3.66 - 3.84 (m, 5 H) 3.29 (t, J=6.29 Hz, 2 H) 1.85 - 2.08 (m, 4 H)
370		2-[[5-methoxypyridin-3-yl]amino]sulfonyl-N-methyl-N-(2-phenylethyl)benzamide	(400 MHz, MeOD) δ 8.100 (m, 2H), 7.900 (m, 1H), 7.649-7.450 (3H), 7.362-7.217 (m, 4H), 6.991 (m, 1H), 3.899 (s, 3H), 3.332 (m, 2H), 3.173 (s, 3H), 3.074 (m, 2H)
371		N-methyl-N-(3-methylbutyl)-2-[[pyridin-3-yl]amino]sulfonylbenzamide	(400 MHz, MeOD) δ 8.630 (s, 1H), 8.485 (m, 1H), 8.121 (m, 1H), 7.997 (m, 1H), 7.805-7.388 (m, 4H), 3.642 (m, 1H), 3.130 (s, 2H), 2.823 (s, 2H), 1.719-1.343 (m, 3H), 1.013 (d, J=8.8 Hz, 3H), 0.749 (m, 3H)
372		N-benzyl-2-[[5-methoxypyridin-3-yl]amino]sulfonyl-N-methylbenzamide	(400 MHz, MeOD) δ 8.150 (s, 2H), 7.900 (m, 1H), 7.800-7.245 (m, 9H), 4.731 (m, 1H), 4.370 (m, 1H), 3.899 (s, 3H), 3.020 (s, 1H), 2.749 (s, 2H)

373		N-(4-methoxybenzyl)-2-([(5-methoxypyridin-3-yl)amino]sulfonyl)benzamide	(400 MHz, MeOD) δ 8.163 (br, 2H), 7.920 (d, J=9.6 Hz, 1H), 7.710 (m, 4H), 7.371 (d, J=8.8 Hz, 2H), 6.911 (d, J=8.8 Hz, 2H), 4.540 (s, 2H), 3.904 (s, 3H), 3.782 (s, 3H)
374		N-(tert-butyl)-2-([(5-methoxypyridin-3-yl)amino]sulfonyl)benzamide	(400 MHz, MeOD) δ 8.123 (s, 2H), 7.812 (d, J=7.2 Hz, 1H), 7.658 (m, 1H), 7.543 (m, 3H), 3.891 (s, 3H), 1.474 (s, 9H)
375		N-(cyclopentylmethyl)-2-([(5-methoxypyridin-3-yl)amino]sulfonyl)benzamide	(400 MHz, MeOD) δ 8.071 (br, 2H), 7.836-7.458 (m, 5H), 3.867 (s, 3H), 3.311 (m, 2H), 2.283 (m, 1H), 1.898 (m, 2H), 1.718 (m, 4), 1.393 (m, 2H)
376		N-butyl-N-methyl-2-[(pyridin-3-yl)amino]sulfonylbenzamide	(400 MHz, MeOD) δ 8.700 (s, 1H), 8.500 (m, 1H), 8.255 (m, 1H), 8.035 (m, 1H), 7.905 (m, 1H), 7.747 (m, 1H), 7.636 (m, 1H), 7.440 (m, 1H), 3.606 (m, 1H), 3.119 (m, 2H), 2.830 (s, 2H), 1.721-1.400 (m, 3H), 1.189 (m, 1H), 1.025 (m, 2H), 0.800 (m, 1H)
377		2-([(5-methoxypyridin-3-yl)amino]sulfonyl)-N-pentylbenzamide	(400 MHz, MeOD) δ 8.134 (s, 2H), 7.880 (m, 1H), 7.710 (m, 1H), 7.579 (m, 3H), 3.896 (s, 3H), 3.418 (m, 2H), 1.683 (m, 2H), 1.441 (m, 4H), 0.977 (m, 3H)
378		N-(2-fluorobenzyl)-2-([(5-methoxypyridin-3-yl)amino]sulfonyl)benzamide	

379		2-((5-methoxypyridin-3-yl)amino)sulfonyl)-N-(3-methylbutyl)benzamide	(400 MHz, MeOD) δ 8.132 (s, 2H), 7.881 (m, 1H), 7.713 (m, 1H), 7.584 (m, 3H), 3.905 (s, 3H), 3.453 (m, 2H), 1.766 (m, 1H), 1.581 (m, 2H), 0.999 (d, J=8.8 Hz, 6H)
380		N-(2,2-dimethylpropyl)-2-((5-methoxypyridin-3-yl)amino)sulfonyl)benzamide	(400 MHz, MeOD) δ 8.099 (s, 2H), 7.852 (d, J=9.2 Hz, 1H), 7.671 (m, 1H), 7.581 (m, 3H), 3.865 (s, 3H), 3.207 (s, 2H), 0.987 (s, 9H)
381		2-((5-methoxypyridin-3-yl)amino)sulfonyl)-N-(1-methyl-1-phenylethyl)benzamide	(400 MHz, CHLOROFORM-d) δ ppm 8.47 (d, J=2.52 Hz, 1 H) 8.42 (d, J=1.76 Hz, 1 H) 8.33 (s, 1 H) 8.18 (d, J=7.30 Hz, 1 H) 8.00 - 8.06 (m, 1 H) 7.91 - 7.99 (m, 2 H) 7.88 (d, J=2.01 Hz, 1 H) 7.70 (d, J=7.81 Hz, 1 H) 7.54 - 7.63 (m, 2 H) 7.38 - 7.47 (m, 2 H) 7.32 (d, J=7.30 Hz, 1 H) 3.78 (s, 3 H) 1.89 (s, 6 H)
382		N-[(1S)-2-methoxy-1-methylethyl]-2-((5-methoxypyridin-3-yl)amino)sulfonyl)benzamide	(400 MHz, CHLOROFORM-d) δ ppm 8.14 (d, J=2.77 Hz, 1 H) 8.01 (s, 1 H) 7.88 (d, J=8.31 Hz, 2 H) 7.46 (d, J=8.31 Hz, 2 H) 7.32 (dd, J=8.18, 5.92 Hz, 1 H) 6.99 (d, J=1.76 Hz, 1 H) 6.84 - 6.94 (m, 1 H) 4.61 (s, 3 H) 3.82 (s, 3 H) 2.99 - 3.12 (m, 4 H) 2.79 - 2.95 (m, 2 H)
383		2-((5-methoxypyridin-3-yl)amino)sulfonyl)-N-(2-pyridin-4-ylethyl)benzamide	(400 MHz, CHLOROFORM-d) δ ppm 8.66 (s, 1 H) 8.21 (d, J=4.53 Hz, 2 H) 8.06 (d, J=2.27 Hz, 1 H) 7.96 (s, 1 H) 7.73 (d, J=7.55 Hz, 1 H) 7.52 (t, J=7.43 Hz, 1 H) 7.37 - 7.48 (m, 2 H) 7.23 - 7.28 (m, 1 H) 7.17 (t, J=5.54 Hz, 3 H) 3.73 - 3.84 (m, 5 H) 2.99 (t, J=6.29 Hz, 2 H)
384		2-((5-methoxypyridin-3-yl)amino)sulfonyl)-N-(2-pyridin-3-ylethyl)benzamide	(400 MHz, CHLOROFORM-d) δ ppm 8.50 (d, J=1.76 Hz, 1 H) 8.41 (d, J=4.78 Hz, 1 H) 8.06 (d, J=2.52 Hz, 1 H) 7.95 (s, 1 H) 7.72 (d, J=7.81 Hz, 1 H) 7.66 (d, J=7.81 Hz, 1 H) 7.53 (t, J=7.43 Hz, 1 H) 7.42 (t, J=7.43 Hz, 2 H) 7.20 - 7.26 (m, 2 H) 6.47 (s, 1 H) 3.73 - 3.84 (m, 5 H) 3.03 (t, J=6.80 Hz, 2 H)

385		2-(((5-methoxypyridin-3-yl)amino)sulfonyl)-N-(2-piperidin-1-ylethyl)benzamide	(400 MHz, CHLOROFORM-d) δ ppm 7.93 - 8.01 (m, 3 H) 7.84 - 7.93 (m, 1 H) 7.68 (dd, J=7.55, 1.26 Hz, 1 H) 7.48 - 7.56 (m, 1 H) 7.40 - 7.46 (m, 1 H) 7.18 (t, J=2.27 Hz, 5 H) 2.96 - 3.00 (m, 2 H) 2.74 (s, 6 H) 1.62 - 1.68 (m, 4 H) 1.47 (s, 2 H)
386		2-(((5-methoxypyridin-3-yl)amino)sulfonyl)-N-(2-pyrrolidin-1-ylethyl)benzamide	(400 MHz, CHLOROFORM-d) δ ppm 7.96 (d, J=9.32 Hz, 3 H) 7.80 (s, 1 H) 7.66 (d, J=7.55 Hz, 1 H) 7.50 (t, J=7.43 Hz, 1 H) 7.42 (t, J=7.68 Hz, 1 H) 7.13 (s, 1 H) 3.74 (s, 6 H) 3.14 (t, J=5.04 Hz, 2 H) 2.95 (s, 3 H) 1.80 (s, 5 H)
387		2-(((5-methoxypyridin-3-yl)amino)sulfonyl)-N-[2-(1-methylpyrrolidin-2-yl)ethyl]benzamide	(400 MHz, CHLOROFORM-d) δ ppm 8.19 (s, 1 H) 7.72 - 7.92 (m, 3 H) 7.28 - 7.52 (m, 3 H) 7.04 (s, 1 H) 3.73 (s, 4 H) 3.43 (s, 1 H) 2.93 (s, 1 H) 1.47 - 2.48 (m, 12 H)
388		2-(((5-methoxypyridin-3-yl)amino)sulfonyl)-N-[2-(2-methylphenyl)ethyl]benzamide	(400 MHz, CHLOROFORM-d) δ ppm 8.66 (s, 1 H) 8.05 (d, J=2.52 Hz, 1 H) 7.95 (d, J=2.01 Hz, 1 H) 7.67 - 7.73 (m, 1 H) 7.48 - 7.57 (m, 1 H) 7.37 - 7.44 (m, 2 H) 7.10 - 7.25 (m, 5 H) 6.23 (s, 1 H) 3.81 (s, 3 H) 3.75 (q, J=6.97 Hz, 2 H) 3.03 (t, J=7.05 Hz, 2 H) 2.39 (s, 3 H)
389		N-(5-methoxypyridin-3-yl)-2-[(4-methylpiperidin-1-yl)carbonyl]benzenesulfonamide	(400 MHz, MeOD) δ 8.120 (m, 2H), 7.939 (m, 1H), 7.735 (m, 1H), 7.603-7.395 (m, 3H), 4.663 (m, 1H), 3.900 (s, 3H), 3.413 (m, 1H), 3.134-2.845 (m, 2H), 1.810-1.160 (m, 5H), 0.988 (m, 3H)
390		N-(cyclopropylmethyl)-2-(((5-methoxypyridin-3-yl)amino)sulfonyl)-N-propylbenzamide	(400 MHz, MeOD) δ 8.177 (s, 2H), 7.959 (m, 1H), 7.741 (m, 1H), 7.620 (m, 2H), 7.430 (d, J=10 Hz), 3.929 (s, 3H), 3.649 (m, 2H), 3.260 (m, 2H), 1.824 (m, 2H), 1.041 (m, 3H), 0.753 (m, 1H), 0.625 (m, 3H), 0.185 (m, 1H)

391		2-[(3,3-dimethylpiperidin-1-yl)carbonyl]-N-(5-methoxypyridin-3-yl)benzenesulfonamide	(400 MHz, MeOD) δ 8.150 (s, 2H), 7.946 (d, J=10 Hz, 1H), 7.746 (m, 1H), 7.615 (m, 2H), 7.422 (m, 1H), 3.909 (s, 3H), 3.602 (m, 1H), 3.326 (m, 2H), 2.856 (s, 1H), 1.726-1.467 (m, 4H), 1.083 (d, J=16.8 Hz, 3H), 0.909 (d, J=37.2 Hz, 3H)
392		N-(5-bromopyridin-3-yl)-2-(piperidin-1-yl)benzenesulfonamide	(400 MHz, CHLOROFORM-d) δ ppm 8.43 (d, J=2.02 Hz, 1 H) 8.32 (d, J=2.27 Hz, 1 H) 8.27 (s, 1 H) 7.83 (t, J=2.15 Hz, 1 H) 7.69 (dd, J=7.83, 1.01 Hz, 1 H) 7.60 (td, J=7.52, 1.14 Hz, 1 H) 7.41 (td, J=7.71, 1.26 Hz, 1 H) 7.37 (dd, J=7.45, 1.14 Hz, 1 H) 3.97 - 4.05 (m, 1 H) 3.55 - 3.64 (m, 1 H) 3.24 - 3.40 (m, 2 H) 1.65 - 1.89 (m, 5 H) 1.24 - 1.33 (m, 1 H)
393		2-([(5-(benzyloxy)pyridin-3-yl)amino]sulfonyl)-N-(3,4-difluorobenzyl)benzamide	(400 MHz, CHLOROFORM-d) δ ppm 4.69 (d, J=5.81 Hz, 2 H), 5.10 (s, 2 H), 6.50 (t, J=5.68 Hz, 1 H), 7.16 - 7.23 (m, 2 H), 7.29 - 7.33 (m, 1 H), 7.36 - 7.46 (m, 7 H), 7.53 - 7.56 (m, 1 H), 7.59 (td, J=7.39, 1.14 Hz, 1 H), 7.65 (dd, J=7.83, 0.76 Hz, 1 H), 7.96 (d, J=2.02 Hz, 1 H), 8.14 (d, J=2.53 Hz, 1 H), 8.51 (s, 1 H)

Example G: In vitro activity data for Examples**1. Determination of compound K_{iapp}**

A determination of the K_{iapp} of the compounds of the invention against recombinant CYP3A4 enzyme was performed as follows. The assay was performed in a 100mM sodium phosphate buffer pH 7.0, 5 mM TCEP and containing 2 % dimethylformamide (final concentration) upon addition of substrate and inhibitor. A typical reaction for the determination of K_{iapp} values was carried at room temperature in a solid black Costar u-bottom 96-well polypropylene plate. In each well, recombinant CYP3A4 enzyme (5.5 nM or 8 nM, final concentration depending on the commercial source of the enzyme) was pre-incubated in the presence of the inhibitor for at least 30 minutes in the assay buffer. When pre-incubation was completed (~ 30 min), the reaction was initiated by adding NADPH (200 μ M, final concentration), and 7-benzyloxy-4-(trifluoromethyl)-coumarin (BFC) (5 μ M, final concentration). The oxidation of the coumarin substrate was recorded by a 96-well plate reader POLARstar (BMG LABTECH, Offenburg, Germany).

The initial reaction velocities were measured during the first 5 min of the reaction when the release of the fluorescent product is linear with time, in the absence and in the presence of

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various concentrations of inhibitors. For non-partial & partial inhibitors, the K_{iapp} values were determined by using the equation for tight-binding inhibitor developed by Morrison, JF (Morrison JF. *Biochim Biophys Acta*. 1969, 185: 269-86) and by Szedlaseck SE et al. (Szedlaseck, S.E., Ostafe, V., Serban, M., and Vlad, M.O. *Biochem. J.* 1988, 254:311-312), respectively.

5 The fluorescent substrate BFC was purchased from Sigma (St Louis, MO). Two commercial sources of recombinant enzymes were used in this study: recombinant CYP3A4 - b5 enzyme (Baculosomes[®]) was purchased from Invitrogen (Carlsbad, CA) and the recombinant CYP3A4 + b5 enzyme (Supersomes[®]) was purchased from BD Biosciences (Woburn, MA).

10 2. Determination of IC₅₀ against CYP3A4 by measurement of inhibition of testosterone metabolism

This assay was performed using a standard 96 well plate design. IC₅₀ values are calculated from the percent inhibition determined for each test compound at 6 concentrations (for example: 750, 250, 83.3, 27.8, 9.3 and 3.1 nM). The incubation substrate mix contains 25 μ M testosterone, 0.1 mg/mL human liver microsomes, 1 mM NADPH, and potassium phosphate buffer (100 mM, pH 7.4). Quantitation of metabolite peak area ratio against an internal standard is determined by LC-MS/MS analysis. The production of 6- β -OH-testosterone from testosterone metabolism is determined after incubation for eight minutes by comparison to a standard curve generated for the metabolite

20 Samples were analyzed in the MRM mode using a Sciex API 3000 mass spectrometer (Applied Biosystems, Foster City, CA) with a Paradigm MS4 binary pump (Michrom BioResources Inc., Auburn, CA) and a LEAP CTC PAL autosampler (LEAP Technologies, Carrboro, NC). A Phenomenex Synergi, 4 μ , Polar-RP, 10 X 2.0 mm column (Phenomenex, Torrance, CA) was used for separation with a mobile phase composition of: 0.1% formic acid in water (A) and: 0.1% formic acid in methanol (B). The following gradient was used:

Time (minutes)	%B	Flow rate (mL/min)
0.0	0	0.8
0.1	95	0.8
0.55	95	0.8
0.6	0	0.8

25

The sample injection volume was 10 μ L and flow was split post-column with 0.4 mL/min going to the mass spectrometer. Analysis was performed using the following API 3000 mass spectrometer settings:

Instrument settings

Ionization Method	ESI, positive
Interface	Turbo-ionspray
Desolvation Temperature (TEM)	450°C
Ionspray Voltage (IS)	5000
Curtain Gas (CUR)	15

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Nebulizer (NEB)	10
Collision Gas (CAD)	6
Entrance Potential (EP)	10

Compound		Transition (m/z)	DP	FP	CE	CXP	Ret. Time (min)
6-OH-Testosterone	Analyte	305.4>269.2	56	170	21	18	0.44

3. Determination of IC_{50} against CYP3A4 by measurement of inhibition of midazolam metabolism

5 This assay was performed using a standard 96 well plate design. IC_{50} s are calculated from the percent inhibition determined for each test compound at 6 concentrations (for example: 750, 250, 83.3, 27.8, 9.3 and 3.1 nM). The incubation substrate mix contains 2 μ M midazolam, 0.1 mg/mL human liver microsomes, 1 mM NADPH, and potassium phosphate buffer (100 mM, pH 7.4). Quantitation of metabolite peak area ratio against internal standard is determined by
10 LC-MS/MS analysis. The production of 1-hydroxymidazolam from midazolam metabolism is determined after incubation for eight minutes by comparison to a standard curve generated for the metabolite.

Samples were analyzed in the MRM mode using a Sciex API 3000 mass spectrometer (Applied Biosystems, Foster City, CA) with a Paradigm MS4 binary pump (Michrom
15 BioResources Inc., Auburn, CA) and a LEAP CTC PAL autosampler (LEAP Technologies, Carrboro, NC). A Phenomenex Synergi, 4 μ , Polar-RP, 10 X 2.0 mm column (Phenomenex, Torrance, CA) was used for separation with a mobile phase composition of: 0.1% formic acid in water (A) and: 0.1% formic acid in methanol (B). The following gradient was used:

Time (minutes)	%B	Flow rate (mL/min)
0.0	0	0.8
0.1	95	0.8
0.55	95	0.8
0.6	0	0.8

20

The sample injection volume was 10 μ L and flow was split post-column with 0.4 mL/min going to the mass spectrometer. Analysis was performed using the following API 3000 mass spectrometer settings:

Instrument settings

Ionization Method	ESI, positive
Interface	Turbo-ion spray
Desolvation Temperature (TEM)	450°C
Ionspray Voltage (IS)	5000
Curtain Gas (CUR)	15

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Nebulizer (NEB)	10
Collision Gas (CAD)	6
Entrance Potential (EP)	10

<i>Compound</i>		<i>Transition (m/z)</i>	<i>DP</i>	<i>FP</i>	<i>CE</i>	<i>CXP</i>	<i>Ret. time</i>
1-hydroxymidazolam	Analyte	342.2>203.1	46	130	29	18	0.44

Ex. No.	Kiapp (BFC, Baculo.) (μ M)	Kiapp (BFC, Super.) (μ M)	IC50 (Testo.) (μ M)	IC50 (Midazolam) (μ M)	Ex. No.	Kiapp (BFC, Baculo.) (μ M)	Kiapp (BFC, Super.) (μ M)	IC50 (Testo.) (μ M)	IC50 (Midazolam) (μ M)
1	0.538	0.662	< 0.003	0.39	46	0.325		0.023	0.023
2	0.901	0.57	>0.750	>0.750	47	0.332		0.03	0.026
3	0.858	>1.00	>0.750	>0.750	48	>1.00		0.335	0.327
4	0.167	0.0436	0.096	0.052	49	>1.00		>0.500	0.328
5	0.0559	0.0058	0.066	0.041	50	>1.00		0.371	0.254
6			0		51	0.68		0.057	0.034
7	>1.00	>1.00	>0.750	>0.750	52	0.56		0.073	0.027
8	0.46	0.0446	0.067	0.063	53	0.613		0.049	0.024
9	0.173	0.004	0.009	0.011	54	0.239		0.026	0.015
10	>1.00	0.558	>0.750	0.279	55	0.385	0.0142	0.0545	0.0406
11	>1.00	0.563	>0.750	>0.750	56	0.34	0.0224	0.062	0.0489
12	0.27	0.0105	0.029	0.031	57	0.353	0.035	0.0933	0.0696
13	0.251		0.024		58	0.15	0.0091	0.0253	0.0265
14	0.503		0.06		59	0.838	0.0574	0.117	0.109
15			0		60	0.151		0.024	0.017
16	0.433		0.117	0.065	61	0.131	0.0077	0.0302	0.0268
17	0.133		0.062	0.026	62	>1.00	0.0833	0.211	0.184
18	0.57		0.349	0.146	63	0.449	0.0424	0.0841	0.0842
19	0.329		0.169	0.069	64	0.19	0.0128	0.0318	0.0305
20	>1.00		0.445	0.379	65	0.92		0.214	0.254
21	>1.00		>0.750	>0.750	66	>1.00	0.21	0.302	0.146
22	>1.00		>0.750	>0.750	67	0.844	0.062	0.247	0.11
23	>1.00	0.28	0.325	0.103	68	0.116		0.036	0.017
24	>1.00		>0.750	0.567	69	>1.00		0.179	0.105
25	0.239		0.077	0.045	70	0.8		0.421	
26	>1.00		0.691	0.494	71	0.245	0.0051	< 0.003	0.029
27	>1.00		>0.750	0.658	72	0.164	0.0129	< 0.003	0.027
28	>1.00		>0.750	>0.750	73	0.124	0.0107	< 0.003	0.038
29	0.324		0.172	0.076	74	0.174	0.0048	< 0.003	0.023
30	0.69		0.125	0.056	75	0.043	0.0024	0.013	0.016
31	0.0701		0.038	0.023	76	0.0767	0.0094	0.029	0.024
32	No Data		>0.750	0.413	77	0.131	0.0056	0.192	0.023
33	>1.00		0.473	0.111	78	0.158	0.0138	> 0.750	0.022
34	>1.00		>0.750	>0.750	79	0.144	0.0262	0.177	0.03
35	>1.00		>0.750	>0.750	80	0.206	0.0041	0.071	0.025
36	>1.00		>0.750	>0.750	81	>1.00	0.276	< 0.003	0.501
37	>1.00		>0.750	>0.750	82	0.743	0.0209	0.025	0.028
38	0.644		0.084	0.068	83	0.127	0.0128	0.028	0.035
39	>1.00		>0.500	>0.500	84	>1.00	0.464	0.028	>0.750
40	>1.00		0.34	0.179	85	0.105	0.0121	0.041	0.016
41	0.486	0.0303	0.0834	0.0628	86	>1.00	0.209	0.027	0.118
42	0.378	0.0225	0.0515	0.0359	87	0.09	0.0063	0.01	0.03
43	0.269	0.0165	0.0217	0.0134	88	0.362	0.0476	0.028	0.185
44	0.617		0.167	0.072	89	>1.00	0.218	0.06	0.054
45	0.382		0.042	0.02	90	0.313	0.0252	0.036	0.01

Ex. No.	Kiapp (BFC, Baculo.) (μ M)	Kiapp (BFC, Super.) (μ M)	IC50 (Testo.) (μ M)	IC50 (Midazolam) (μ M)	Ex. No.	Kiapp (BFC, Baculo.) (μ M)	Kiapp (BFC, Super.) (μ M)	IC50 (Testo.) (μ M)	IC50 (Midazolam) (μ M)
91	0.058	0.0172		0.018	136	0.0598	0.0048		0.01
92	0.0457	0.0175		0.022	137	0.115	0.0073		0.018
93	0.166	0.0147		0.01	138	0.0196	0.0027		0.016
94	0.182	0.0257		0.016	139	0.388	0.0511		0.048
95	0.078	0.0254		0.008	140	0.16	0.0173		0.056
96	0.124	0.0223		0.009	141	0.172	0.0211		0.036
97	0.421	0.157		0.107	142	0.111	0.0118		0.026
98	0.506	0.196		0.051	143	0.169	0.029		0.058
99	0.406	0.223		0.09	144	0.327	0.039		0.072
100	0.0883	0.0357		0.014	145	0.0439	0.0059		0.018
101	0.244	0.0548		0.026	146	0.0546	0.0086		0.011
102	0.375	0.056		0.055	147	0.209	0.0192		0.016
103	0.129	0.026		0.021	148	0.0181	0.0049	0.015	<0.00300
104	0.141	0.0235		0.035	149	0.208	0.0123	0.021	0.012
105	0.0831	0.0286		0.021	150	0.0522	0.0092	0.015	0.038
106	0.345	0.0875		0.051	151	0.12	0.0122	0.016	0.028
107	0.214	0.044		0.057	152	0.0461	0.0064	0.023	0.013
108	0.506	0.115		0.098	153	0.262	0.0271	0.019	0.005
109	0.213	0.0372		0.035	154	0.0115	0.0032	0.023	0.006
110	0.156	0.0504		0.026	155	0.0028	0.0016	0.015	0.008
111	0.0273	0.0068		0.01	156	0.084	0.005	0.011	0.013
112	0.438	0.119		0.046	157	0.0494	0.0013	0.008	0.008
113	0.698	0.0975		0.09	158	0.0197	0.0009	0.01	0.006
114	0.466	0.105		0.134	159	0.751	0.144	0.129	0.064
115	0.124	0.026		0.023	160	>1.00	0.163	0.202	0.129
116	0.317	0.0509		0.033	161	>1.00	0.418	0.371	0.308
117	0.159	0.0148		0.02	162	0.469	0.0999	0.17	0.093
118	0.103	0.0135		0.018	163	0.263	0.058	0.082	0.049
119	0.249	0.0712		0.045	164	0.281	0.0343	0.047	0.024
120	0.487	0.14		0.086	165	0.163	0.0296	0.054	0.043
121	0.49	0.0712		0.031	166	0.196	0.0351	0.026	0.023
122	0.0495	0.01		0.031	167	0.159	0.0174	0.016	0.009
123	0.0725	0.0152		0.01	168	0.066	0.0117	0.018	0.009
124	0.136	0.018		0.014	169	>1.00	0.187	0.395	0.139
125	0.185	0.0312		0.02	170	>1.00	0.427	0.285	0.557
126	0.194	0.0848		0.053	171	0.299	0.0491	0.038	0.035
127	0.694	0.282		0.107	172	0.173	0.0217	0.034	0.044
128	0.448	0.0549		0.067	173	0.104	0.0099	0.018	0.016
129	0.0876	0.0096		0.012	174	>1.00	0.392	0.356	0.451
130	0.134	0.0628		0.022	175	0.024	0.0013	0.009	0.009
131	>1.00	0.329		>0.750	176	>1.00	0.625	>0.750	0.406
132	0.0406	0.0084		0.008	177	0.0706	0.0035	0.012	0.011
133	0.0678	0.0116		0.018	178	>1.00	0.106	0.097	0.07
134	0.0697	0.0087		0.014	179	0.314	0.0637	0.058	0.045
135	0.0248	0.0049		0.018	180	0.0928	0.007	0.011	0.004

Ex. No.	Kiapp (BFC, Baculo.) (μ M)	Kiapp (BFC, Super.) (μ M)	IC50 (Testo.) (μ M)	IC50 (Midazolam) (μ M)	Ex. No.	Kiapp (BFC, Baculo.) (μ M)	Kiapp (BFC, Super.) (μ M)	IC50 (Testo.) (μ M)	IC50 (Midazolam) (μ M)
181	0.0718	0.0108	0.013	0.007	226	0.0164	0.0026	0.008	<0.00300
182	0.0374	0.0035	0.013	0.006	227	0.0868	0.0086	0.011	0.005
183	0.0226	0.002	0.011	0.005	228	>1.00	0.12	0.161	0.053
184	0.0545	0.0059	0.011	0.013	229	0.203	0.0243	0.037	0.016
185	0.0171	0.0028	0.01	0.011	230	0.373	0.0784	0.087	0.042
186	0.171	0.0097	0.007	0.006	231	0.0591	0.0089	0.031	0.02
187	0.257	0.0359	0.028	0.022	232	0.0994	0.0115	0.032	0.028
188	0.0364	0.0034	0.012	0.008	233	>1.00	0.182	0.195	0.067
189	0.175	0.0274	0.048	0.024	234	0.0379	0.0081	>0.750	>0.750
190	0.0169	0.0034	0.016	0.007	235	0.107	0.0087	0.019	0.01
191	0.0597	0.005	0.015	0.01	236	>1.00	0.142	0.223	0.132
192	0.0237	0.0027	0.007	0.007	237	0.979	0.142	0.215	0.125
193	0.0412	0.0217	0.027	0.013	238	0.23	0.018	0.031	0.017
194	0.376	0.0685	0.099	0.073	239	0.849	0.191	0.301	0.163
195	0.0708	0.0356	0.032	0.015	240	0.022	0.0032	0.009	0.004
196	0.379	0.0745	0.058	0.051	241	0.751	0.097	0.15	0.077
197	0.0695	0.0201	0.018	0.004	242	0.246	0.2	0.289	0.254
198	0.0417	0.0166	0.01	<0.00300	243	0.0284	0.0858	0.264	0.069
199	0.0127	0.0105	0.011	0.006	244	0.0456	0.0268	0.052	<0.0160
200	0.0361	0.0099	0.021	0.012	245	0.164	0.0187	0.063	0.029
201	0.0293	0.008	0.016	0.009	246	0.0503	0.0185	0.072	0.036
202	0.0842	0.0334	0.007	<0.00300	247	0.0484	0.0889	0.108	0.054
203	0.101	0.0258	0.012	0.005	248	0.439	0.193	0.235	0.108
204	0.0525	0.0126	0.012	<0.00300	249	0.0601	0.0377	0.045	0.0285
205	0.206	0.0419	0.027	<0.0155	250	0.0043	0.00314	0.007	0.01
206	0.0036	0.0029	0.006	<0.00300	251	0.0086	0.00531	0.012	0.01
207	0.105	0.0191	0.024	0.005	252	0.0171	0.00541	0.009	0.009
208	0.0573	0.0161	0.019	0.0095	253	0.203	0.0352	0.08	0.05
209	0.0182	0.0061	0.005	0.004	254	0.284	0.122	0.12	0.04
210	0.286	0.0396	0.049	0.01	255	0.0227	0.00406	0.009	0.007
211	0.0336	0.0079	0.019	0.004	256	0.0302	0.00525	0.016	0.0145
212	0.0203	0.006	0.008	<0.00300	257	0.101	0.0141	0.014	0.015
213	0.0272	0.0098	0.013	<0.00300	258	0.0509	0.00649	0.011	0.006
214	0.355	0.0473	0.066	0.014	259	0.135	0.0125	0.015	0.015
215	0.216	0.0433	0.058	0.025	260	0.485	0.0715	0.065	0.047
216	0.0069	0.0035	0.007	0.005	261	>1.00	0.453	0.627	0.256
217	0.965	0.216	0.23	0.179	262	0.0102	0.00163	0.0075	0.005
218	0.748	0.146	0.189	0.096	263	0.0547	0.0054	0.011	0.009
219	0.108	0.0403	0.032	0.027	264	0.0347	0.00988	0.058	0.026
220	0.0137	0.0091	0.011	0.006	265	0.0296	0.0126	0.041	0.023
221	0.016	0.0089	0.012	0.011	266	0.145	0.0268	0.109	0.054
222	0.207	0.0127	0.034	0.015	267	0.27	0.0432	0.216	0.12
223	>1.00	0.326	0.745	0.26	268	0.11	0.0194	0.063	0.044
224	0.399	0.0568	0.056	0.029	269	0.0181	0.00331	0.013	0.009
225	0.0157	0.0017	0.009	0.007	270	0.352	0.0398	0.052	0.022

Ex. No.	Kiapp (BFC, Baculo.) (μ M)	Kiapp (BFC, Super.) (μ M)	IC50 (Testo.) (μ M)	IC50 (Midazolam) (μ M)	Ex. No.	Kiapp (BFC, Baculo.) (μ M)	Kiapp (BFC, Super.) (μ M)	IC50 (Testo.) (μ M)	IC50 (Midazolam) (μ M)
271	0.118	0.0172	0.021	0.018	316	0.0084	0.0012	0.027	0.017
272	0.0673	0.00568	0.019	0.012	317	0.144	0.0516	0.019	0.015
273	0.513	0.0377	0.112	0.084	318	0.0099	0.0019	0.165	0.145
274	0.0701	0.00885	0.046	0.025	319	0.0043	0.0072	0.011	0.01
275	0.0429	0.00376	0.007	0.009	320	0.0101	0.0284	0.008	0.006
276	0.563	0.0629	0.134	0.071	321	0.195	0.46	0.129	0.094
277	0.459	0.0479	0.065	0.053	322	0.0544	0.0198	0.015	0.011
278	0.131	0.0119	0.066	0.031	323	0.21	0.221	0.059	0.028
279	>1.00	0.0952	0.337	0.123	324	0.0851	0.0217	0.02	0.011
280	0.4	0.0525	0.095	0.039	325	0.035	0.0086	0.084	0.119
281	0.468	0.0426	0.065	0.031	326	0.884	0.273	0.164	0.132
282	0.33	0.0577	0.062	0.049	327	0.0864	0.0198		
283	0.314	0.0272	0.046	0.031	328	>1.00	0.484	>0.750	>0.750
284	0.0998	0.0142	0.049	0.015	329	0.034	0.0177	0.058	0.032
285	0.026	0.00724	0.028	0.019	330	0.204	0.0227	0.055	0.06
286	0.0272	0.00406	0.0095	0.00767	331	0.0752	0.0109	0.014	0.012
287	0.216	0.0477	0.099	0.043	332	0.334	0.0612	0.013	0.013
288	0.0022	0.00308	0.018	0.012	333	0.0692	0.0229	0.013	0.024
289	0.0059	0.00497	0.027	0.015	334	0.0826	0.0091	0.017	0.012
290	0.0146	0.00394	0.016	0.004	335	0.0977	0.0168	0.028	0.02
291	0.0045	0.00298	0.027	0.021	336	0.319	0.0682	0.019	0.037
292	0.0016	0.000618	0.016	<0.00300	337	0.285	0.0613	0.064	0.088
293	0.268	0.0581	0.145	0.081	338	0.024	0.0068	0.03	0.023
294	0.135	0.0321	0.057	0.024	339	0.0354	0.0061	0.026	0.014
295	0.184	0.042	0.231	0.042	340	0.338	0.0922	0.044	0.041
296	0.0358	0.00932	0.09	0.012	341	0.0366	0.0131	0.026	0.022
297	0.444	0.11	>0.750	0.17	342	0.063	0.0131	0.015	0.011
298	0.0585	0.0156	0.135	0.031	343	0.206	0.0603	0.08	0.037
299	0.0565	0.0206	0.053	0.026	344	0.0544	0.0212	0.009	0.007
300	0.0576	0.0195	0.039	0.016	345	0.409	0.135	0.048	0.075
301	0.409	0.152	>0.750	0.14	346	0.052	0.0132	0.011	0.019
302	0.0789	0.0245	0.11	0.023	347	0.0347	0.0054	0.026	0.013
303	0.118	0.0316	0.156	0.03	348	0.0308	0.0047	0.012	0.007
304	0.536	0.171	>0.750	0.119	349	0.0564	0.0074	0.025	0.011
305	0.753	0.27	>0.750	0.347	350	0.139	0.0214	0.039	0.02
306	0.0778	0.0249	0.048	0.032	351	0.456	0.138	0.11	0.113
307	0.143	0.0168	0.036	0.044	352	0.0704	0.0226	0.031	0.016
308	0.513	0.042	0.095	0.062	353	0.0281	0.0115	0.031	0.018
309	0.808	0.145	0.427	0.149	354	0.305	0.0253	0.061	0.031
310	0.14	0.0283	0.064	0.053	355	0.181	0.0449	0.064	0.063
311	0.209	0.0762	0.073	0.034	356	0.483	0.148	0.114	0.083
312	0.0086	0.0035	0.012	0.013	357	0.123	0.0304	0.043	0.032
313	0.197	0.0487	0.055	0.019	358	0.592	0.137	0.1	0.068
314	0.0187	0.0045	0.017	0.017	359	0.593	0.14	0.26	0.101
315	0.25	0.0422	0.043	0.022	360	0.0808	0.0218	0.043	0.025

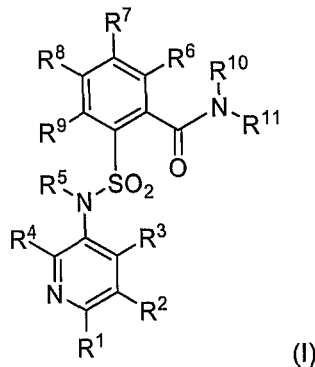
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We claim:

We claim:

- 5 1. A compound of formula (I),



wherein:

- R^1 , R^2 , R^3 , R^4 are independently selected from hydrogen, C_1 - C_6 alkyl, $-(CR^{12a}R^{12b})_l$ halo, $-(CR^{12a}R^{12b})_l$ CN, $-(CR^{12a}R^{12b})_l$ OR^{12a}, $-(CR^{12a}R^{12b})_l$ N($R^{12a}R^{12b}$), $-(CR^{12a}R^{12b})_l$ CF₃, and $-(CR^{12a}R^{12b})_l$ C₆-C₁₀ aryl;
- R^5 is hydrogen or C_1 - C_6 alkyl;
- R^6 , R^7 , R^8 , and R^9 are independently selected from hydrogen, C_1 - C_6 alkyl, $-(CR^{12a}R^{12b})_l$ halo, $-(CR^{12a}R^{12b})_l$ CN, $-(CR^{12a}R^{12b})_l$ CF₃, $-(CR^{12a}R^{12b})_l$ OR^{12a}, $-(CR^{12a}R^{12b})_l$ N($R^{12a}R^{12b}$), $-(CR^{12a}R^{12b})_l$ R^{12a}, $-(CR^{12a}R^{12b})_l$ C₃-C₁₁ cycloalkyl, $-(CR^{12a}R^{12b})_l$ C₆-C₁₀ aryl, $-(CR^{12a}R^{12b})_l$ C₂-C₁₀ heterocyclyl, $-(CR^{12a}R^{12b})_l$ heteroaryl, $-O(CR^{12a}R^{12b})_l$ R^{12a}, $-O(CR^{12a}R^{12b})_l$ C₃-C₁₁ cycloalkyl, $-O(CR^{12a}R^{12b})_l$ C₆-C₁₀ aryl, $-O(CR^{12a}R^{12b})_l$ C₂-C₁₀ heterocyclyl, $-O(CR^{12a}R^{12b})_l$ heteroaryl, $-O(CR^{12a}R^{12b})_l$ OR^{12a}, and $-O(CR^{12a}R^{12b})_l$ N($R^{12a}R^{12b}$), wherein each of said C_1 - C_6 alkyl, C_3 -C₁₁ cycloalkyl, C_6 -C₁₀ aryl, C_2 -C₁₀ heterocyclyl, and heteroaryl is optionally substituted with one or more R^{14} ;
- R^{10} and R^{11} are independently selected from hydrogen, $-(CR^{12a}R^{12b})_l$ C₁- C_6 alkyl, $-(CR^{12a}R^{12b})_l$ C₃-C₁₁ cycloalkyl, $-(CR^{12a}R^{12b})_l$ C₆-C₁₀ aryl, $-(CR^{12a}R^{12b})_l$ C₂-C₁₀ heterocyclyl, and $-(CR^{12a}R^{12b})_l$ heteroaryl, wherein each of said C_1 - C_6 alkyl, C_3 -C₁₁ cycloalkyl, C_6 -C₁₀ aryl, C_2 -C₁₀ heterocyclyl, and heteroaryl groups is optionally substituted with one or more R^{13} ; or
- R^{10} and R^{11} , together with the atom to which they are attached, form a C_2 -C₁₀ heterocyclyl group, optionally substituted with one or more R^{13} ;
- each R^{12a} and R^{12b} is independently selected from hydrogen and C_1 - C_6 alkyl; or
- R^{12a} and R^{12b} , together with the atom to which they are attached, form a C_3 -C₁₁ cycloalkyl or a C_2 -C₁₀ heterocyclyl group;
- each R^{13} is independently selected from C_1 - C_6 alkyl, halogen, $-(CR^{12a}R^{12b})_l$ CN, $-(CR^{12a}R^{12b})_l$ CF₃, $-(CR^{12a}R^{12b})_l$ OCF₃, $-(CR^{12a}R^{12b})_l$ C₃-C₁₁ cycloalkyl, $-(CR^{12a}R^{12b})_l$ C₆-C₁₀ aryl, $-(CR^{12a}R^{12b})_l$ C₂-C₁₀ heterocyclyl, $-(CR^{12a}R^{12b})_l$ heteroaryl, $-O(CR^{12a}R^{12b})_l$ R^{12a}, $-O(CR^{12a}R^{12b})_l$ C₆-C₁₀ aryl, $-O(CR^{12a}R^{12b})_l$ C₂-C₁₀ heterocyclyl, $-O(CR^{12a}R^{12b})_l$ heteroaryl,

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$-(\text{CR}^{12a}\text{R}^{12b})_t\text{CO}_2(\text{C}_1\text{-C}_6 \text{ alkyl})$, $-(\text{CR}^{12a}\text{R}^{12b})_t\text{N}(\text{R}^{12a}\text{R}^{12b})$, $-(\text{CR}^{12a}\text{R}^{12b})_t\text{C}(\text{O})\text{NR}^{12a}\text{R}^{12b}$, $-(\text{CR}^{12a}\text{R}^{12b})_t\text{OR}^{12a}$, $-(\text{CR}^{12a}\text{R}^{12b})_t\text{S}(\text{O})\text{R}^{12a}$, and $-(\text{CR}^{12a}\text{R}^{12b})_t\text{S}(\text{O})_2\text{R}^{12a}$, wherein each of said $\text{C}_1\text{-C}_6$ alkyl, $\text{C}_3\text{-C}_{11}$ cycloalkyl, $\text{C}_6\text{-C}_{10}$ aryl, $\text{C}_2\text{-C}_{10}$ heterocyclyl, and heteroaryl groups is optionally substituted with one or more R^{14} ;

5 each R^{14} is independently selected from $\text{C}_1\text{-C}_6$ alkyl, halogen, $-\text{CN}$, $-\text{CF}_3$, and $-\text{OR}^{12a}$; and

each t is independently selected from 0, 1, 2, 3, 4, 5, and 6; or
a pharmaceutically acceptable salt or solvate thereof.

10 2. A compound according to claim 1, wherein:

R^1 , R^2 , R^3 , R^4 are independently selected from hydrogen, $\text{C}_1\text{-C}_6$ alkyl, $-(\text{CR}^{12a}\text{R}^{12b})_t\text{halo}$, $-(\text{CR}^{12a}\text{R}^{12b})_t\text{CN}$, $-(\text{CR}^{12a}\text{R}^{12b})_t\text{OR}^{12a}$, $-(\text{CR}^{12a}\text{R}^{12b})_t\text{N}(\text{R}^{12a}\text{R}^{12b})$, and $-(\text{CR}^{12a}\text{R}^{12b})_t\text{CF}_3$; and

R^{10} and R^{11} are independently selected from hydrogen, $-(\text{CR}^{12a}\text{R}^{12b})_t\text{C}_1\text{-C}_6$ alkyl, $-(\text{CR}^{12a}\text{R}^{12b})_t\text{C}_3\text{-C}_{11}$ cycloalkyl, $-(\text{CR}^{12a}\text{R}^{12b})_t\text{C}_6\text{-C}_{10}$ aryl, $-(\text{CR}^{12a}\text{R}^{12b})_t\text{C}_2\text{-C}_{10}$ heterocyclyl, and $-(\text{CR}^{12a}\text{R}^{12b})_t\text{heteroaryl}$, wherein each of said $\text{C}_1\text{-C}_6$ alkyl, $\text{C}_3\text{-C}_{11}$ cycloalkyl, $\text{C}_6\text{-C}_{10}$ aryl, $\text{C}_2\text{-C}_{10}$ heterocyclyl, and heteroaryl groups is optionally substituted with one or more R^{13} ; or
a pharmaceutically acceptable salt or solvate thereof.

20 3. A compound according to claim 2, wherein:

R^1 , R^2 , R^3 , R^4 are independently selected from hydrogen, $\text{C}_1\text{-C}_6$ alkyl, halo, $-\text{CN}$, $-\text{OR}^{12a}$, and $-\text{CF}_3$; and

R^5 is hydrogen; or
a pharmaceutically acceptable salt or solvate thereof.

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4. A compound according to claim 3, wherein:

R^{10} is hydrogen or $\text{C}_1\text{-C}_6$ alkyl; and

R^{11} is selected from $-(\text{CR}^{12a}\text{R}^{12b})_t\text{C}_1\text{-C}_6$ alkyl, $-(\text{CR}^{12a}\text{R}^{12b})_t\text{C}_3\text{-C}_{11}$ cycloalkyl, $-(\text{CR}^{12a}\text{R}^{12b})_t\text{C}_6\text{-C}_{10}$ aryl, $-(\text{CR}^{12a}\text{R}^{12b})_t\text{C}_2\text{-C}_{10}$ heterocyclyl, and $-(\text{CR}^{12a}\text{R}^{12b})_t\text{heteroaryl}$, wherein each of said $\text{C}_1\text{-C}_6$ alkyl, $\text{C}_3\text{-C}_{11}$ cycloalkyl, $\text{C}_6\text{-C}_{10}$ aryl, $\text{C}_2\text{-C}_{10}$ heterocyclyl, and heteroaryl groups is optionally substituted with one or more R^{13} ; or
a pharmaceutically acceptable salt or solvate thereof.

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5. A compound according to claim 4, wherein R^6 , R^7 , R^8 , and R^9 are hydrogen, or a
35 pharmaceutically acceptable salt or solvate thereof.

6. A compound according to claim 5, wherein:

R^{11} is $-(\text{CH}_2)\text{C}_6\text{-C}_{10}$ aryl or $-(\text{CH}_2)_2\text{C}_6\text{-C}_{10}$ aryl, wherein said $\text{C}_6\text{-C}_{10}$ aryl is optionally substituted with one or more R^{13} ;

40 R^{12a} is hydrogen or $\text{C}_1\text{-C}_6$ alkyl; and

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each R¹³ is independently selected from C₁-C₆ alkyl, halogen, -CN, -CF₃, and -OCF₃; or
a pharmaceutically acceptable salt or solvate thereof.

5 7. A compound according to claim 6, wherein:

R¹, R³, and R⁴ are hydrogen; and
R² is C₁-C₆ alkyl, halo, -CN, -OR^{12a}, or -CF₃; or
a pharmaceutically acceptable salt or solvate thereof.

10 8. A compound according to claim 7, wherein:

R² is C₁-C₆ alkyl, -Cl, -F, -CN, -OCH₃, -OCH₂CH₃, or -CF₃;
R¹⁰ is hydrogen or -CH₃; and
each R¹³ is independently selected from C₁-C₆ alkyl, -Cl, -F, -CN, -CF₃, and -OCF₃; or
15 a pharmaceutically acceptable salt or solvate thereof.

9. A compound according to claim 6, wherein:

R¹, R², and R⁴ are hydrogen;
R³ is C₁-C₆ alkyl, -Cl, -F, -CN, -OCH₃, -OCH₂CH₃, or -CF₃;
20 R¹⁰ is hydrogen or -CH₃; and
each R¹³ is independently selected from C₁-C₆ alkyl, -Cl, -F, -CN, -CF₃, and -OCF₃; or
a pharmaceutically acceptable salt or solvate thereof.

25 10. A compound according to claim 1, wherein:

R¹, R², R³, R⁴ are independently selected from hydrogen, C₁-C₆ alkyl, halo, -CN, -OR^{12a}, and -CF₃;
R⁵ is hydrogen; and
R¹⁰ and R¹¹, together with the atom to which they are attached, form a C₂-C₁₀
30 heterocyclyl group, optionally substituted with one or more R¹³; or
a pharmaceutically acceptable salt or solvate thereof.

11. A compound according to claim 10, wherein R⁶, R⁷, R⁸, and R⁹ are hydrogen, or a pharmaceutically acceptable salt or solvate thereof.

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12. A compound according to claim 11, wherein:

R^{12a} is hydrogen or C₁-C₆ alkyl; and
each R¹³ is independently selected from C₁-C₆ alkyl, halogen, -CN, -CF₃, and -OCF₃; or
40 a pharmaceutically acceptable salt or solvate thereof.

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13. A compound according to claim 12, wherein:
R¹, R³, and R⁴ are hydrogen; and
R² is C₁-C₆ alkyl, halo, -CN, -OR^{12a}, or -CF₃; or
5 a pharmaceutically acceptable salt or solvate thereof.
14. A compound according to claim 13, wherein:
R² is C₁-C₆ alkyl, -Cl, -F, -CN, -OCH₃, -OCH₂CH₃, or -CF₃; and
each R¹³ is independently selected from C₁-C₆ alkyl, halogen, -CN, -CF₃, and
10 -OCF₃; or
a pharmaceutically acceptable salt or solvate thereof.
15. A compound according to claim 12, wherein:
R¹, R², and R⁴ are hydrogen; and
15 R³ is C₁-C₆ alkyl, -Cl, -F, -CN, -OCH₃, -OCH₂CH₃, or -CF₃; or
a pharmaceutically acceptable salt or solvate thereof.
16. A pharmaceutical composition, comprising an effective amount of at least one compound
according to any one of claims 1 to 15, and a pharmaceutically acceptable carrier.
20
17. A pharmaceutical composition according to claim 16, further comprising an effective
amount of (N-((1S)-3-[3-isopropyl-5-methyl-4H-1,2,4-triazole-4-yl]-exo-8-azabicyclo[3.2.1]oct-8-
yl)-1-phenylpropyl)-4,4-difluorocyclohexanecarboxamide), ethyl 1-endo-{8-[(3S)-3-(acetylamino)-
3-(3-fluorophenyl)propyl]-8-azabicyclo[3.2.1]oct-3-yl}-2-methyl-4,5,6,7-tetrahydro-1H-imidazo[4,5-
25 c]pyridine-5-carboxylate, or N-((1S)-3-[3-endo-(5-isobutyryl-2-methyl-4,5,6,7-tetrahydro-1H-
imidazo[4,5-c]pyridin-1-yl)-8-azabicyclo[3.2.1]oct-8-yl]-1-(3-fluorophenyl)propyl}acetamide).
18. A pharmaceutical composition according to claim 16, further comprising an HIV protease
inhibitor selected from amprenavir, nelfinavir, ritonavir, saquinavir, invirase, lopinavir, atazanavir,
30 palinavir, indinavir, tipranavir, darunavir, brecanavir, (4R)-N-allyl-3-{(2S,3S)-2-hydroxy-3-[(3-
hydroxy-2-methylbenzoyl)amino]-4-phenylbutanoyl}-5,5-dimethyl-1,3-thiazolidine-4-carboxamide,
and fosamprenavir calcium.
19. Use of a first compound and a second compound in the preparation of a medicament for
35 the treatment of HIV infection in an HIV-infected mammal, wherein said first compound is
selected from those according to any one of claims 1 to 15, and said second compound is an
anti-HIV compound.
20. Use according to claim 19, wherein said second compound is (N-((1S)-3-[3-isopropyl-5-
40 methyl-4H-1,2,4-triazole-4-yl]-exo-8-azabicyclo[3.2.1]oct-8-yl)-1-phenylpropyl)-4,4-

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difluorocyclohexanecarboxamide), ethyl 1-*endo*-{8-[(3*S*)-3-(acetylamino)-3-(3-fluorophenyl)propyl]-8-azabicyclo[3.2.1]oct-3-yl]-2-methyl-4,5,6,7-tetrahydro-1*H*-imidazo[4,5-*c*]pyridine-5-carboxylate, or *N*-{(1*S*)-3-[3-*endo*-(5-Isobutyryl-2-methyl-4,5,6,7-tetrahydro-1*H*-imidazo[4,5-*c*]pyridin-1-yl)-8-azabicyclo[3.2.1]oct-8-yl]-1-(3-fluorophenyl)propyl}acetamide).

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21. Use according to claim 19, wherein said second compound is selected from amprenavir, nelfinavir, ritonavir, saquinavir, invirase, lopinavir, atazanavir, palinavir, indinavir, tipranavir, darunavir, brecanavir, (4*R*)-*N*-allyl-3-[(2*S*,3*S*)-2-hydroxy-3-[(3-hydroxy-2-methylbenzoyl)amino]-4-phenylbutanoyl]-5,5-dimethyl-1,3-thiazolidine-4-carboxamide, and fosamprenavir calcium.

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