

where it causes infections that include bacteremia, pneumonia, meningitis, urinary tract infection, and wound infection.

A. baumannii has an exceptional ability to upregulate and acquire resistance determinants and shows an environmental persistence that allows its survival and spread in the nosocomial setting, making this organism a frequent cause of outbreaks of infection and an endemic, health care-associated pathogen.

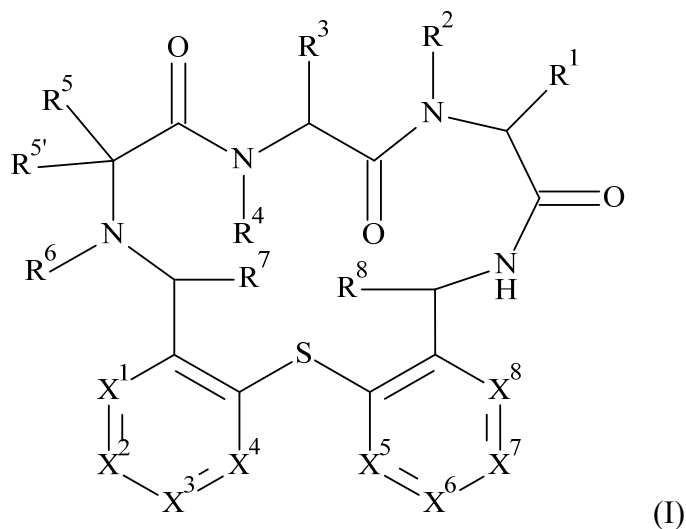
Due to increasing antibiotic resistance to most if not all available therapeutic options, Multi-Drug Resistant (MDR) *A. baumannii* infections, especially those caused by Carbapenem resistant *A. baumannii*, are extremely difficult or even impossible to treat with high mortality rate as well as increased morbidity and length of stay in intensive care unit.

Acinetobacter baumannii has been defined and still remains “a prime example of a mismatch between unmet medical needs and the current antimicrobial research and development pipeline” according to the Antimicrobial Availability Task Force (AATF) of the Infectious Diseases Society of America (IDSA). Thus, there is a high demand and need to identify compounds suitable for the treatment of diseases and infections caused by *Acinetobacter baumannii*.

The present invention provides a novel chemotype (peptide macrocycles) that exhibits activity against drug-susceptible as well as drug-resistant strains of *Acinetobacter baumannii*. The molecules have been routinely tested against drug susceptible *A. baumannii* strains (ATCC19606 and ATCC 17978) and in addition over a panel of ten clinical isolates. Some representative molecules were selected for *in vivo* profiling. Both, the pharmacokinetic profile as well as the efficacy in a mouse septicemia model are indicative of a great potential for further development of the compound class.

Summary

In one aspect, there is provided a compound of formula (I)



wherein:

X¹ is C-L¹-R¹¹ or N,
 X² is C-L²-R¹² or N,
 X³ is C-L³-R¹³ or N,
 X⁴ is C-L⁴-R¹⁴ or N, with the proviso that not more than three of X¹, X², X³ and X⁴ are N;

X⁵ is C-L⁵-R¹⁵ or N,
 X⁶ is C-L⁶-R¹⁶ or N,
 X⁷ is C-L⁷-R¹⁷ or N,
 X⁸ is C-L⁸-R¹⁸ or N, with the proviso that not more than three of X⁵, X⁶, X⁷ and X⁸ are N;

R¹ is -(CH₂)_m-heteroaryl or -(CH₂)_m-heterocycloalkyl, wherein heteroaryl is optionally substituted with one or more halo, cyano, C₁₋₇-alkyl, C₁₋₇-haloalkyl, C₃₋₇-cycloalkyl or C₁₋₇-alkoxy;

R², R⁴ and R⁶ are each individually selected from hydrogen, C₁₋₇-alkyl, C₁₋₇-haloalkyl, and C₃₋₇-cycloalkyl;

R^3 is $-C_{1-7}$ -alkyl, $-(CH_2)_n-NR^{20}R^{21}$, $-(CH_2)_n-C(O)NR^{20}R^{21}$ or $-(CH_2)_n-O-(CH_2)_q-NR^{20}R^{21}$;

R^5 is hydrogen, C_{1-7} -alkyl, hydroxy- C_{1-7} -alkyl, $-(CH_2)_o-NR^{22}R^{23}$, $-(CH_2)_o-C(O)-NR^{22}R^{23}$, $-(CH_2)_o-O-(CH_2)_q-NR^{20}R^{21}$, $-(CH_2)_o-NH-C(NH)-NR^{22}R^{23}$, $-(CH_2)_o-NH-C(O)-NR^{22}R^{23}$, $-(CH_2)_o-NH-C(O)-OR^{26}$, $-(CH_2)_o-C_{3-7}$ -cycloalkyl, $-(CH_2)_o$ -heterocycloalkyl, $-(CH_2)_o$ -heteroaryl, $-(CH_2)_o$ -aryl, wherein cycloalkyl, heterocycloalkyl, heteroaryl and aryl are optionally substituted by halo, cyano, C_{1-7} -alkyl, C_{1-7} -haloalkyl, C_{1-7} -alkoxy or aryl;

$R^{5'}$ is hydrogen or C_{1-7} -alkyl;

R^7 and R^8 are each individually selected from hydrogen, C_{1-7} -alkyl, C_{1-7} -haloalkyl, C_{3-7} -cycloalkyl and C_{1-7} -alkoxy;

R^{11} , R^{12} , R^{13} , R^{14} , R^{15} and R^{16} are each individually selected from hydrogen, halogen, cyano, C_{1-7} -alkyl, C_{1-7} -haloalkyl, $-NR^{24}R^{25}$, C_{1-7} -alkyl- $-NR^{24}R^{25}$, hydroxy, C_{1-7} -alkoxy, halo- C_{1-7} -alkoxy, $-B(OH)_2$, benzyloxy-propynyl ($-C\equiv C-CH_2-O$ -benzyl), C_{3-7} -cycloalkyl, heterocycloalkyl, aryl and heteroaryl, wherein heteroaryl is optionally substituted with one C_{1-7} -haloalkyl or C_{1-7} -alkoxy;

R^{17} is hydrogen, halogen, cyano, C_{1-7} -alkyl, C_{1-7} -haloalkyl, $-NR^{24}R^{25}$, C_{1-7} -alkyl- $-NR^{24}R^{25}$, hydroxy, C_{1-7} -alkoxy, halo- C_{1-7} -alkoxy, $-B(OH)_2$, benzyloxy-prop-1-ynyl, C_{3-7} -cycloalkyl, heterocycloalkyl, aryl and heteroaryl, wherein heterocycloalkyl is optionally substituted with one $-NR^{24}R^{25}$, wherein aryl and heteroaryl are optionally substituted with one, two or three substituents selected from the list of halogen, cyano, C_{1-7} -alkyl, C_{1-7} -haloalkyl, C_{1-7} -hydroxyalkyl, hydroxy, C_{1-7} -alkoxy, $-NR^{24}R^{25}$, $-SO_2-C_{1-7}$ -alkyl, $-SO_2-NR^{24}R^{25}$, heterocycloalkyl and heterocycloalkyl substituted with C_{1-7} -alkyl;

R^{18} is hydrogen, halogen, cyano, C_{1-7} -alkyl, C_{1-7} -haloalkyl, hydroxy, C_{1-7} -hydroxyalkyl, C_{1-7} -alkoxy, C_{1-7} -haloalkoxy, $-NR^{24}R^{25}$, C_{1-7} -alkyl- $-NR^{24}R^{25}$, C_{3-7} -cycloalkyl, heterocycloalkyl, aryl and heteroaryl, wherein aryl and heteroaryl are optionally substituted with one, two or three substituents selected from the list of halogen, cyano, C_{1-7} -alkyl, C_{1-7} -haloalkyl, hydroxy, C_{1-7} -alkoxy, $-NR^{24}R^{25}$, C_{1-7} -alkyl- $-NR^{24}R^{25}$, $-CO-NH-(CH_2)_r-NR^{24}R^{25}$, $-CO-NH-(CH_2)_r-OH$, $-CO-NH-(CH_2)_r$ -heterocycloalkyl, $-CO-OH$, $-O-C_{1-7}$ -hydroxyalkyl, $-O-(CH_2)_r-CO-OH$, $-SO_2-C_{1-7}$ -alkyl, $-SO_2-NR^{24}R^{25}$, heterocycloalkyl, $-O$ -heterocycloalkyl and heterocycloalkyl substituted with C_{1-7} -alkyl;

R^{20} and R^{22} are each individually selected from hydrogen, C_{1-7} -alkyl, C_{1-7} -haloalkyl, C_{3-7} -cycloalkyl and $-C(=NH)-NH_2$;

R^{21} and R^{23} are each individually selected from hydrogen and C_{1-7} -alkyl;

R^{24} and R^{25} are each individually selected from hydrogen, C_{1-7} -alkyl, C_{1-7} -haloalkyl, C_{1-7} -hydroxyalkyl, and C_{3-7} -cycloalkyl;

R^{26} is hydrogen, C_{1-7} -alkyl or benzyl;

$L^1, L^2, L^3, L^4, L^5, L^6, L^7$ and L^8 are each individually selected from a single bond, $-C(O)-$, $-SO_2-$, $-(CH_2)_p-$, $-CH=CH-$ and $-C\equiv C-$;

m is 1, 2, 3, or 4;

n is 1, 2, 3, or 4;

o is 0, 1, 2, 3, or 4;

p is 1, 2, 3, or 4;

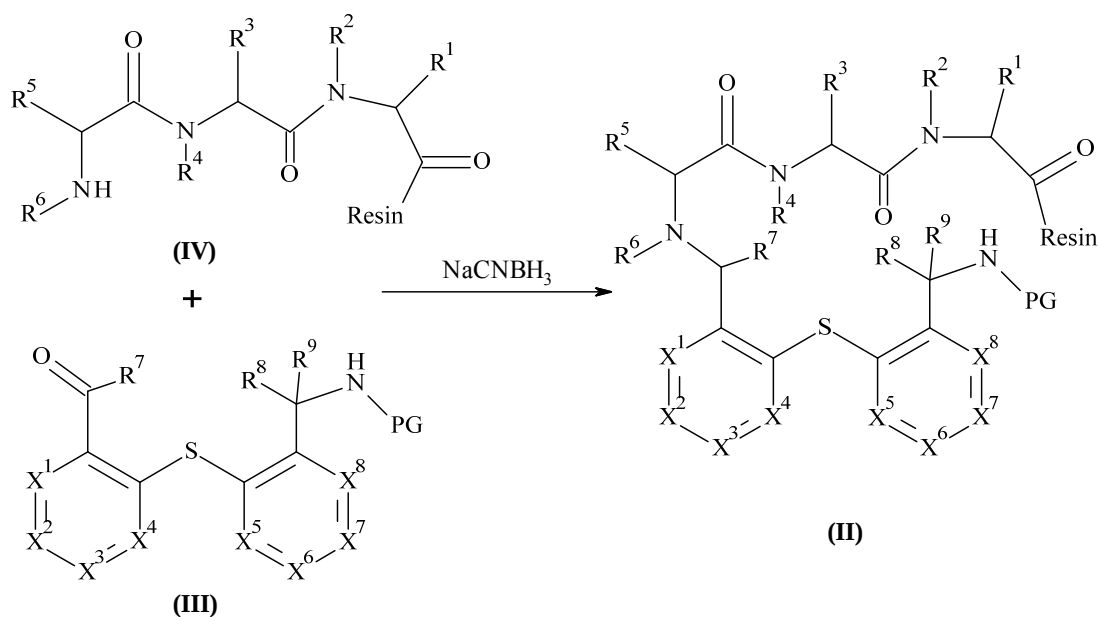
q is 1, 2, 3, or 4;

r is 1, 2, 3, or 4;

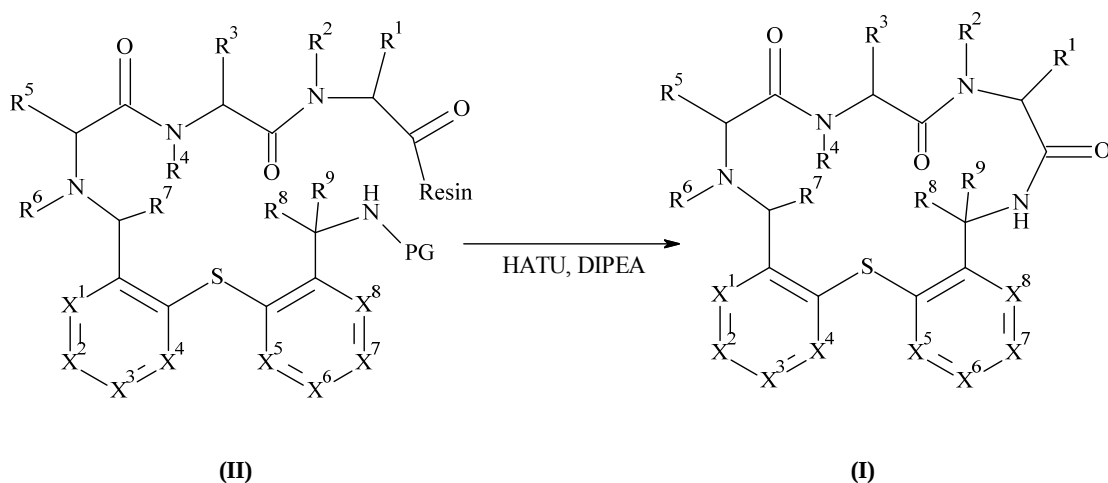
or a pharmaceutically acceptable salt thereof.

In another aspect, there is provided a process for the manufacture of a compound as defined herein comprising the steps of:

a) reacting a compound of formula (III) with a compound of formula (IV) using sodium cyanoborohydride ($NaCNBH_3$) to provide a compound of formula (II);



b) cleaving off the protecting group (PG) and the resin from the compound of formula (II);



c) followed by cyclisation of the cleaved compound of formula (II) using HATU and Hünig's base.

In another aspect, there is provided a pharmaceutical composition comprising a compound as defined herein or a pharmaceutically acceptable salt thereof and one or more pharmaceutically acceptable excipients.

In another aspect, there is provided a compound as defined herein or a pharmaceutically acceptable salt thereof for use as therapeutically active substance.

In another aspect, there is provided a compound as defined herein or a pharmaceutically acceptable salt thereof for use as antibiotic.

In another aspect, there is provided a compound as defined herein for the use in the treatment or prevention of infections and resulting diseases caused by *Acinetobacter baumannii*.

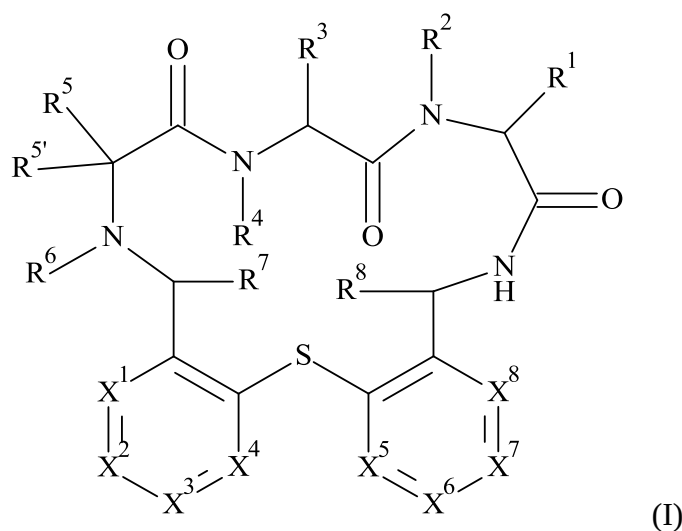
Detailed description of the invention

Unless otherwise defined, all technical and scientific terms used herein have the same meaning as commonly understood by one of ordinary skill in the art to which this invention belongs. Although methods and materials similar or equivalent to those described herein can be used in the practice or testing of the invention, suitable methods and materials are described below.

All publications, patent applications, patents, and other references mentioned herein are incorporated by reference in their entirety.

Claims

1. A compound of formula (I)



wherein:

X^1 is $C-L^1-R^{11}$ or N,

X^2 is $C-L^2-R^{12}$ or N,

X^3 is $C-L^3-R^{13}$ or N,

X^4 is $C-L^4-R^{14}$ or N, with the proviso that not more than three of X^1 , X^2 , X^3 and X^4 are N;

X^5 is $C-L^5-R^{15}$ or N,

X^6 is $C-L^6-R^{16}$ or N,

X^7 is $C-L^7-R^{17}$ or N,

X^8 is $C-L^8-R^{18}$ or N, with the proviso that not more than three of X^5 , X^6 , X^7 and X^8 are N;

R^1 is $-(CH_2)_m$ -heteroaryl or $-(CH_2)_m$ -heterocycloalkyl, wherein heteroaryl is optionally substituted with one or more halo, cyano, C_{1-7} -alkyl, C_{1-7} -haloalkyl, C_{3-7} -cycloalkyl or C_{1-7} -alkoxy;

R^2 , R^4 and R^6 are each individually selected from hydrogen, C_{1-7} -alkyl, C_{1-7} -haloalkyl, and C_{3-7} -cycloalkyl;

R^3 is $-C_{1-7}$ -alkyl, $-(CH_2)_n-NR^{20}R^{21}$, $-(CH_2)_n-C(O)NR^{20}R^{21}$ or $-(CH_2)_n-O-(CH_2)_q-NR^{20}R^{21}$;

- R^5 is hydrogen, C_{1-7} -alkyl, hydroxy- C_{1-7} -alkyl, $-(CH_2)_0-NR^{22}R^{23}$, $-(CH_2)_0-C(O)-NR^{22}R^{23}$, $-(CH_2)_0-O-(CH_2)_q-NR^{20}R^{21}$, $-(CH_2)_0-NH-C(NH)-NR^{22}R^{23}$, $-(CH_2)_0-NH-C(O)-NR^{22}R^{23}$, $-(CH_2)_0-NH-C(O)-OR^{26}$, $-(CH_2)_0-C_{3-7}$ -cycloalkyl, $-(CH_2)_0$ -heterocycloalkyl, $-(CH_2)_0$ -heteroaryl, $-(CH_2)_0$ -aryl, wherein cycloalkyl, heterocycloalkyl, heteroaryl and aryl are optionally substituted by halo, cyano, C_{1-7} -alkyl, C_{1-7} -haloalkyl, C_{1-7} -alkoxy or aryl;
- $R^{5'}$ is hydrogen or C_{1-7} -alkyl;
- R^7 and R^8 are each individually selected from hydrogen, C_{1-7} -alkyl, C_{1-7} -haloalkyl, C_{3-7} -cycloalkyl and C_{1-7} -alkoxy;
- R^{11} , R^{12} , R^{13} , R^{14} , R^{15} and R^{16} are each individually selected from hydrogen, halogen, cyano, C_{1-7} -alkyl, C_{1-7} -haloalkyl, $-NR^{24}R^{25}$, C_{1-7} -alkyl- $-NR^{24}R^{25}$, hydroxy, C_{1-7} -alkoxy, halo- C_{1-7} -alkoxy, $-B(OH)_2$, benzyloxy-propynyl ($-C\equiv C-CH_2-O$ -benzyl), C_{3-7} -cycloalkyl, heterocycloalkyl, aryl and heteroaryl, wherein heteroaryl is optionally substituted with one C_{1-7} -haloalkyl or C_{1-7} -alkoxy;
- R^{17} is hydrogen, halogen, cyano, C_{1-7} -alkyl, C_{1-7} -haloalkyl, $-NR^{24}R^{25}$, C_{1-7} -alkyl- $-NR^{24}R^{25}$, hydroxy, C_{1-7} -alkoxy, halo- C_{1-7} -alkoxy, $B(OH)_2$, benzyloxy-prop-1-ynyl, C_{3-7} -cycloalkyl, heterocycloalkyl, aryl and heteroaryl, wherein heterocycloalkyl is optionally substituted with one $-NR^{24}R^{25}$, wherein aryl and heteroaryl are optionally substituted with one, two or three substituents selected from the list of halogen, cyano, C_{1-7} -alkyl, C_{1-7} -haloalkyl, C_{1-7} -hydroxyalkyl, hydroxy, C_{1-7} -alkoxy, $-NR^{24}R^{25}$, $-SO_2-C_{1-7}$ -alkyl, $-SO_2-NR^{24}R^{25}$, heterocycloalkyl and heterocycloalkyl substituted with C_{1-7} -alkyl;
- R^{18} is hydrogen, halogen, cyano, C_{1-7} -alkyl, C_{1-7} -haloalkyl, hydroxy, C_{1-7} -hydroxyalkyl, C_{1-7} -alkoxy, C_{1-7} -haloalkoxy, $-NR^{24}R^{25}$, C_{1-7} -alkyl- $-NR^{24}R^{25}$, C_{3-7} -cycloalkyl, heterocycloalkyl, aryl and heteroaryl, wherein aryl and heteroaryl are optionally substituted with one, two or three substituents selected from the list of halogen, cyano, C_{1-7} -alkyl, C_{1-7} -haloalkyl, hydroxy, C_{1-7} -alkoxy, $-NR^{24}R^{25}$, C_{1-7} -alkyl- $-NR^{24}R^{25}$, $-CO-NH-(CH_2)_r-NR^{24}R^{25}$, $-CO-NH-(CH_2)_r-OH$, $-CO-NH-(CH_2)_r$ -heterocycloalkyl, $-CO-OH$, $-O-C_{1-7}$ -hydroxyalkyl, $-O-(CH_2)_r-CO-OH$, $-SO_2-C_{1-7}$ -alkyl, $-SO_2-NR^{24}R^{25}$, heterocycloalkyl, $-O$ -heterocycloalkyl and heterocycloalkyl substituted with C_{1-7} -alkyl;
- R^{20} and R^{22} are each individually selected from hydrogen, C_{1-7} -alkyl, C_{1-7} -haloalkyl, C_{3-7} -cycloalkyl and $-C(=NH)-NH_2$;
- R^{21} and R^{23} are each individually selected from hydrogen and C_{1-7} -alkyl;

R^{24} and R^{25} are each individually selected from hydrogen, C_{1-7} -alkyl, C_{1-7} -haloalkyl, C_{1-7} -hydroxyalkyl, and C_{3-7} -cycloalkyl;

R^{26} is hydrogen, C_{1-7} -alkyl or benzyl;

$L^1, L^2, L^3, L^4, L^5, L^6, L^7$ and L^8 are each individually selected from a single bond, $-C(O)-$, $-SO_2-$, $-(CH_2)_p-$, $-CH=CH-$ and $-C\equiv C-$;

m is 1, 2, 3, or 4;

n is 1, 2, 3, or 4;

o is 0, 1, 2, 3, or 4;

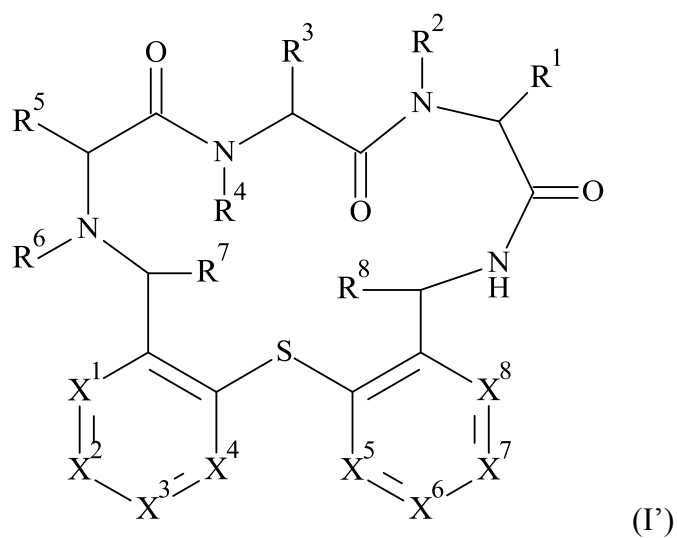
p is 1, 2, 3, or 4;

q is 1, 2, 3, or 4;

r is 1, 2, 3, or 4;

or a pharmaceutically acceptable salt thereof.

2. The compound of claim 1 wherein the compound has a structure of formula (I')



wherein:

X^1 is $C-L^1-R^{11}$ or N,

X^2 is $C-L^2-R^{12}$ or N,

X^3 is $C-L^3-R^{13}$ or N,

X^4 is $C-L^4-R^{14}$ or N, with the proviso that not more than three of X^1 , X^2 , X^3 and X^4 are N;

X^5 is $C-L^5-R^{15}$ or N,

X^6 is $C-L^6-R^{16}$ or N,

X^7 is $C-L^7-R^{17}$ or N,

X^8 is $C-L^8-R^{18}$ or N, with the proviso that not more than three of X^5 , X^6 , X^7 and X^8 are N;

R^1 is $-(CH_2)_m$ -heteroaryl, wherein heteroaryl is optionally substituted with one or more halo, cyano, C_{1-7} -alkyl, C_{1-7} -haloalkyl, C_{3-7} -cycloalkyl or C_{1-7} -alkoxy;

R^2 , R^4 and R^6 are each individually selected from hydrogen, C_{1-7} -alkyl, C_{1-7} -haloalkyl, and C_{3-7} -cycloalkyl;

R^3 is $-(CH_2)_n-NR^{20}R^{21}$;

R^5 is C_{1-7} -alkyl, hydroxy- C_{1-7} -alkyl, $-(CH_2)_o-NR^{22}R^{23}$, $-(CH_2)_o-C(O)-NR^{22}R^{23}$, $-(CH_2)_o-NH-C(O)-NR^{22}R^{23}$, $-(CH_2)_o-C_{3-7}$ -cycloalkyl, $-(CH_2)_o$ -heterocycloalkyl, $-(CH_2)_o$ -heteroaryl, $-(CH_2)_o$ -aryl, wherein cycloalkyl, heterocycloalkyl, heteroaryl and aryl are optionally substituted by halo, cyano, C_{1-7} -alkyl, C_{1-7} -haloalkyl or C_{1-7} -alkoxy;

R^7 and R^8 are each individually selected from hydrogen, C_{1-7} -alkyl, C_{1-7} -haloalkyl, C_{3-7} -cycloalkyl and C_{1-7} -alkoxy;

R^{11} , R^{12} , R^{13} , R^{14} , R^{15} , R^{16} , R^{17} and R^{18} are each individually selected from hydrogen, halogen, cyano, C_{1-7} -alkyl, C_{1-7} -haloalkyl, $-NR^{24}R^{25}$, hydroxy, C_{1-7} -alkoxy, halo- C_{1-7} -alkoxy, C_{3-7} -cycloalkyl, heterocycloalkyl, aryl and heteroaryl;

R^{20} and R^{22} are each individually selected from hydrogen, C_{1-7} -alkyl, C_{1-7} -haloalkyl, C_{3-7} -cycloalkyl and $-C(=NH)-NH_2$;

R^{21} and R^{23} are each individually selected from hydrogen and C_{1-7} -alkyl;

R^{24} and R^{25} are each individually selected from hydrogen, C_{1-7} -alkyl, C_{1-7} -haloalkyl, and C_{3-7} -cycloalkyl;

L^1 , L^2 , L^3 , L^4 , L^5 , L^6 , L^7 and L^8 are each individually selected from a single bond, $-C(O)-$, $-SO_2-$, $-(CH_2)_p-$, $-CH=CH-$ and $-C\equiv C-$;

m, n, o and p are each individually selected from 1, 2, 3 and 4;

or a pharmaceutically acceptable salt thereof.

3. The compound according to any of claims 1 or 2, wherein:

X^1 is CR^{11} or N,

X^2 is CR^{12} or N,

X^3 is CR^{13} or N,

X^4 is CR^{14} or N, with the proviso that not more than two of X^1 , X^2 , X^3 and X^4 are N;

X^5 is CR^{15} or N,

X^6 is CR^{16} or N,

X^7 is CR^{17} or N,

X^8 is CR^{18} or N, with the proviso that not more than two of X^5 , X^6 , X^7 and X^8 are N;

R^1 is $-(CH_2)_m$ -heteroaryl or $-(CH_2)_m$ -heterocycloalkyl; wherein heteroaryl is optionally substituted with one or more halo, cyano, C_{1-7} -alkyl, C_{1-7} -haloalkyl, C_{3-7} -cycloalkyl or C_{1-7} -alkoxy; and wherein heterocycloalkyl is partly unsaturated;

R^2 , R^4 and R^6 are each individually selected from hydrogen, C_{1-7} -alkyl, C_{1-7} -haloalkyl, and C_{3-7} -cycloalkyl;

R^3 is $-C_{1-7}$ -alkyl, $-(CH_2)_n-NR^{20}R^{21}$, $-(CH_2)_n-C(O)NR^{20}R^{21}$ or $-(CH_2)_n-O-(CH_2)_q-NR^{20}R^{21}$;

R^5 is hydrogen, C_{1-7} -alkyl, hydroxy- C_{1-7} -alkyl, $-(CH_2)_o-NR^{22}R^{23}$, $-(CH_2)_o-C(O)-NR^{22}R^{23}$, $-(CH_2)_o-O-(CH_2)_q-NR^{20}R^{21}$, $-(CH_2)_o-NH-C(NH)-NR^{22}R^{23}$, $-(CH_2)_o-NH-C(O)-NR^{22}R^{23}$, $-(CH_2)_o-NH-C(O)-OR^{26}$, $-(CH_2)_o$ -heterocycloalkyl, $-(CH_2)_o$ -heteroaryl, $-(CH_2)_o$ -aryl, wherein cycloalkyl, heterocycloalkyl, heteroaryl and aryl are optionally substituted by halo, cyano, C_{1-7} -alkyl, C_{1-7} -haloalkyl, C_{1-7} -alkoxy or aryl;

R^7 and R^8 are each individually selected from hydrogen, C_{1-7} -alkyl, C_{1-7} -haloalkyl, C_{3-7} -cycloalkyl and C_{1-7} -alkoxy;

R^{11} , R^{12} , R^{13} , R^{14} , R^{15} and R^{16} are each individually selected from hydrogen, halogen, cyano, C_{1-7} -alkyl, C_{1-7} -haloalkyl, $-NR^{24}R^{25}$, C_{1-7} -alkyl- $-NR^{24}R^{25}$, hydroxy, C_{1-7} -alkoxy, halo- C_{1-7} -alkoxy, $-B(OH)_2$, benzyloxy-propynyl, C_{3-7} -cycloalkyl, heterocycloalkyl, aryl and heteroaryl, wherein heteroaryl is optionally substituted with one C_{1-7} -haloalkyl or C_{1-7} -alkoxy;

R^{17} is hydrogen, halogen, cyano, C_{1-7} -alkyl, C_{1-7} -haloalkyl, $-NR^{24}R^{25}$, C_{1-7} -alkyl- $-NR^{24}R^{25}$, hydroxy, C_{1-7} -alkoxy, halo- C_{1-7} -alkoxy, $-B(OH)_2$, benzyloxy-propynyl, C_{3-7} -cycloalkyl, heterocycloalkyl, aryl and heteroaryl, wherein heterocycloalkyl is optionally substituted with one $-NR^{24}R^{25}$,

wherein aryl and heteroaryl are optionally substituted with one, two or three substituents selected from the list of halogen, cyano, C₁₋₇-alkyl, C₁₋₇-haloalkyl, C₁₋₇-hydroxyalkyl, hydroxy, C₁₋₇-alkoxy, -NR²⁴R²⁵, -SO₂-C₁₋₇-alkyl, -SO₂-NR²⁴R²⁵, heterocycloalkyl and heterocycloalkyl substituted with C₁₋₇-alkyl;

R¹⁸ is hydrogen, halogen, cyano, C₁₋₇-alkyl, C₁₋₇-haloalkyl, hydroxy, C₁₋₇-hydroxyalkyl, C₁₋₇-alkoxy, C₁₋₇-haloalkoxy, -NR²⁴R²⁵, C₁₋₇-alkyl-NR²⁴R²⁵, C₃₋₇-cycloalkyl, heterocycloalkyl, aryl and heteroaryl, wherein aryl and heteroaryl are optionally substituted with one, two or three substituents selected from the list of halogen, cyano, C₁₋₇-alkyl, C₁₋₇-haloalkyl, hydroxy, C₁₋₇-alkoxy, -NR²⁴R²⁵, C₁₋₇-alkyl-NR²⁴R²⁵, -CO-NH-(CH₂)_r-NR²⁴R²⁵, -CO-NH-(CH₂)_r-OH, -CO-NH-(CH₂)_r-heterocycloalkyl, -CO-OH, -O-C₁₋₇-hydroxyalkyl, -O-(CH₂)_r-CO-OH, -SO₂-C₁₋₇-alkyl, -SO₂-NR²⁴R²⁵, heterocycloalkyl, -O-heterocycloalkyl and heterocycloalkyl substituted with C₁₋₇-alkyl;

R²⁰ and R²² are each individually selected from hydrogen, C₁₋₇-alkyl, C₁₋₇-haloalkyl, C₃₋₇-cycloalkyl and -C(=NH)-NH₂;

R²¹ and R²³ are each individually selected from hydrogen and C₁₋₇-alkyl;

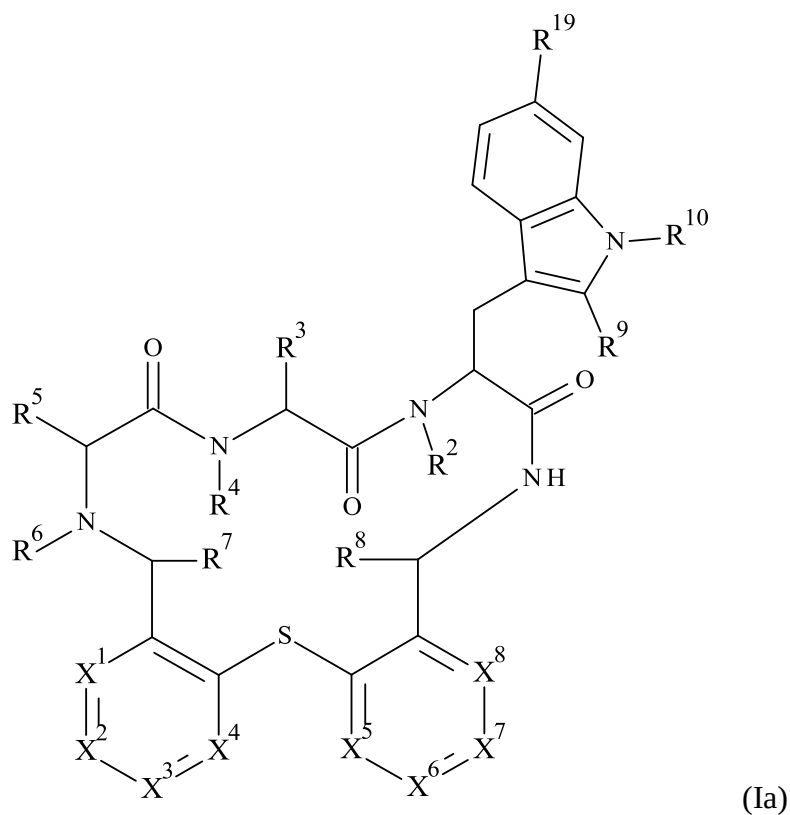
R²⁴ and R²⁵ are each individually selected from hydrogen, C₁₋₇-alkyl, C₁₋₇-haloalkyl, C₁₋₇-hydroxyalkyl, and C₃₋₇-cycloalkyl;

R²⁶ is hydrogen, C₁₋₇-alkyl or benzyl;

m, n, o, p, q and r are each individually selected from 1, 2, 3 and 4;

or a pharmaceutically acceptable salt thereof.

4. The compound according to any of claims 1 to 3 wherein the compound has a structure of formula (Ia)



wherein:

X¹ to X⁸, and R² to R⁸ are as defined herein;

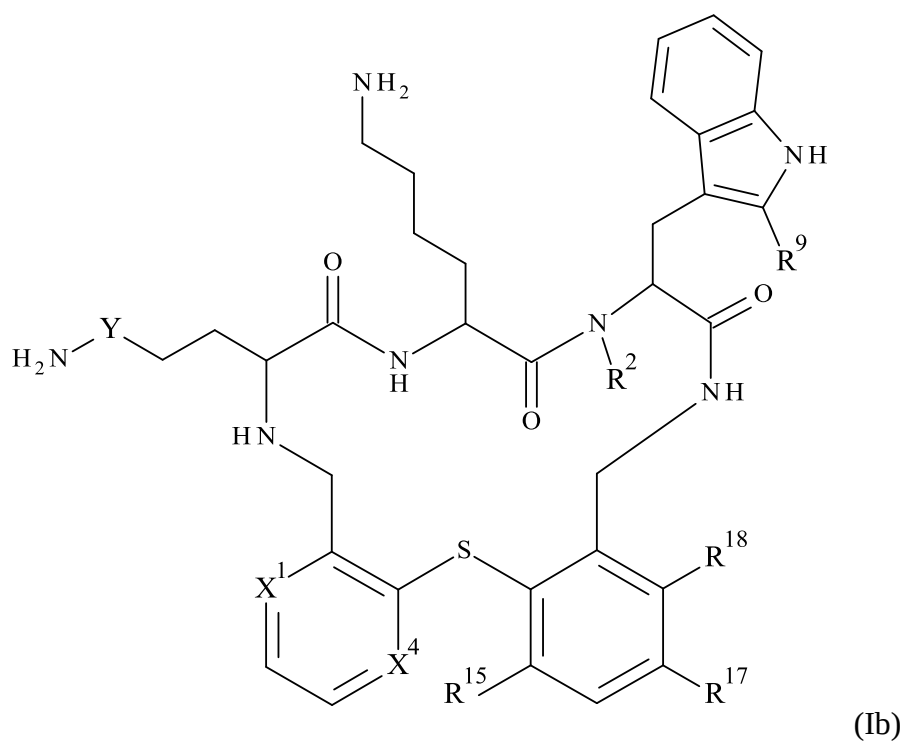
R⁹ is hydrogen, halo, cyano, C₁₋₇-alkyl, C₁₋₇-haloalkyl, C₁₋₇-alkoxy, C₁₋₇-haloalkoxy and C₃₋₇-cycloalkyl;

R¹⁰ is hydrogen, C₁₋₇-alkyl, C₁₋₇-haloalkyl, or C₃₋₇-cycloalkyl;

R¹⁹ is hydrogen, halo, cyano, C₁₋₇-alkyl, C₁₋₇-haloalkyl, C₁₋₇-alkoxy, C₁₋₇-haloalkoxy and C₃₋₇-cycloalkyl;

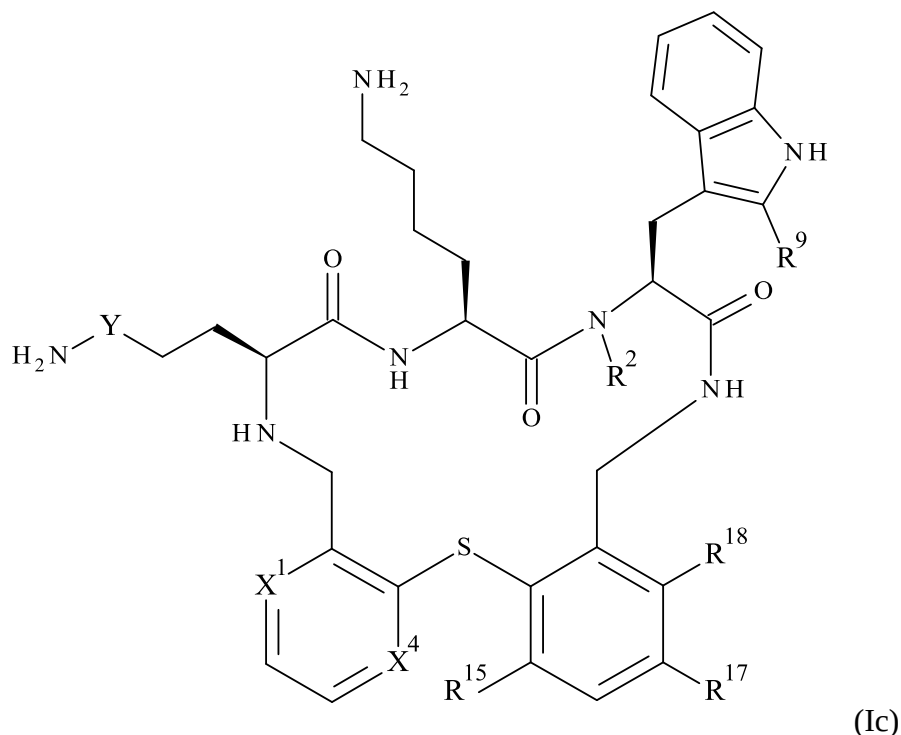
or a pharmaceutically acceptable salt thereof.

5. The compound according to any of claims 1 to 4 wherein the compound has a structure of formula (Ib)



wherein X^1 , X^4 , R^2 , R^{15} , R^{17} , R^{18} and R^9 are as defined herein and Y is $-CH_2-$ or $-CO-$; or a pharmaceutically acceptable salt thereof.

6. The compound according to any of claims 1 to 4 wherein the compound has a structure of formula (Ic)



wherein X^1 , X^4 , R^2 , R^{15} , R^{17} , R^{18} and R^9 are as defined herein and Y is $-CH_2-$ or $-CO-$; or a pharmaceutically acceptable salt thereof.

7. The compound according to any of claims 1 to 4 wherein X^6 is N.
8. The compound according to any of claims 1 to 3 wherein R^1 is $-(CH_2)_m$ -heteroaryl or $-(CH_2)_m$ -heterocycloalkyl, wherein heteroaryl is monocyclic or bicyclic and is optionally substituted with one or more halo, cyano, C_{1-7} -alkyl, C_{1-7} -haloalkyl, C_{3-7} -cycloalkyl or C_{1-7} -alkoxy; and wherein heterocycloalkyl is partly unsaturated.
9. The compound according to any of claims 1 to 6 wherein R^2 is hydrogen or C_{1-7} -alkyl.
10. The compound according to any of claims 1 to 4 wherein R^3 is butyl, 3-amino-propyl, 4-amino-butyl, 4-methylamino-butyl, propionamide or 2-amino-ethoxymethyl;

R^4 is hydrogen;

R^5 is hydrogen, C_{1-7} -alkyl, hydroxy- C_{1-7} -alkyl, $-(CH_2)_0-NR^{22}R^{23}$, $-(CH_2)_0-C(O)-NR^{22}R^{23}$, $-(CH_2)_0-O-(CH_2)_q-NR^{20}R^{21}$, $-(CH_2)_0-NH-C(NH)-NR^{22}R^{23}$, $-(CH_2)_0-NH-C(O)-NR^{22}R^{23}$, $-(CH_2)_0-NH-C(O)-OR^{26}$, $-(CH_2)_0$ -heterocycloalkyl, $-(CH_2)_0$ -heteroaryl, $-(CH_2)_0$ -aryl, wherein heterocycloalkyl, heteroaryl and aryl are optionally substituted by

halo, cyano, C₁₋₇-alkyl, C₁₋₇-haloalkyl, C₁₋₇-alkoxy or aryl; and wherein o, q, R²⁰-R²³ and R²⁶ are as defined in any of claims 1 to 3;

R⁶ is hydrogen or methyl;

R⁷ is hydrogen or methyl;

R⁸ is hydrogen or C₁₋₇-alkyl;

R¹¹ is hydrogen or halo;

R¹² is hydrogen, halo, C₁₋₇-alkyl-NR²⁴R²⁵, aryl or heteroaryl;

R¹³ is hydrogen, halo or aryl;

R¹⁴ is hydrogen;

R¹⁵ is hydrogen, halo, C₁₋₇-alkyl, halo-C₁₋₇-alkyl, heterocycloalkyl, aryl or heteroaryl, wherein heteroaryl is optionally substituted with one C₁₋₇-haloalkyl or C₁₋₇-alkoxy;

R¹⁶ is hydrogen, halo, C₁₋₇-alkyl, halo-C₁₋₇-alkyl, heterocycloalkyl or aryl;

R¹⁷ is hydrogen, halogen, cyano, C₁₋₇-alkyl, C₁₋₇-haloalkyl, -NR²⁴R²⁵, C₁₋₇-alkyl-NR²⁴R²⁵, hydroxy, C₁₋₇-alkoxy, -B(OH)₂, benzyloxy-propynyl, heterocycloalkyl, aryl or heteroaryl, wherein heterocycloalkyl is optionally substituted with one amino, wherein aryl is optionally substituted with one halo, cyano, -SO₂-C₁₋₇-alkyl, or -SO₂-NR²⁴R²⁵, and wherein heteroaryl is optionally substituted with one or two substituents selected from the list of halogen, cyano, C₁₋₇-alkyl, C₁₋₇-hydroxyalkyl, hydroxy, C₁₋₇-alkoxy, -NR²⁴R²⁵, -SO₂-C₁₋₇-alkyl, heterocycloalkyl and heterocycloalkyl substituted with C₁₋₇-alkyl;

R¹⁸ is hydrogen, halogen, C₁₋₇-haloalkyl, -NR²⁴R²⁵, heterocycloalkyl, aryl or heteroaryl, wherein aryl is optionally substituted with one substituent selected from the list of C₁₋₇-alkyl-NR²⁴R²⁵, -CO-NH-(CH₂)_r-NR²⁴R²⁵, -CO-NH-(CH₂)_r-OH, -CO-NH-(CH₂)_r-heterocycloalkyl, -CO-OH, -O-C₁₋₇-hydroxyalkyl, -O-(CH₂)_r-CO-OH, -SO₂-C₁₋₇-alkyl, -SO₂-NR²⁴R²⁵, heterocycloalkyl, and -O-heterocycloalkyl, and wherein heteroaryl is optionally substituted with one substituent selected from halo, C₁₋₇-alkyl, amino and hydroxy; and

R²⁰ is hydrogen or methyl.

11. The compound according to claim 1 wherein $R^{5'}$ is hydrogen or methyl.
12. The compound according to any of claims 4 to 6 wherein R^9 is hydrogen or C_{1-7} -alkyl.
13. The compound according to any of claims 5 or 6 wherein R^{10} is hydrogen or C_{1-7} -alkyl.
14. The compound according to claim 4 wherein R^{19} is hydrogen or halo.
15. The compound according to any of claims 1 to 3 wherein:

R^{21} is hydrogen;

R^{22} is hydrogen, C_{1-7} -alkyl and $-C(=NH)-NH_2$;

R^{23} is hydrogen;

R^{24} is hydrogen;

R^{25} is hydrogen;

R^{26} is hydrogen, methyl or benzyl;

m is 1;

n is 1, 3 or 4;

o is 0, 1, 3 or 4;

p is 1, 2, 3 or 4;

q is 2; and

r is 1 or 2.

16. The compound according to any of claims 1 to 3 wherein
 - X^1 is CR^{11} ;
 - X^2 is CR^{12} ;
 - X^3 is CR^{13} ;
 - X^4 is N;
 - X^5 is CR^{15} ;
 - X^6 is CR^{16} or X^6 is N;
 - R^1 is $-(CH_2)_m$ -indolyl, wherein indolyl is optionally substituted with one or more halo or C_{1-7} -alkyl;
 - R^2 is hydrogen or C_{1-7} -alkyl;
 - R^3 is 3-amino-propyl or 4-amino-butyl;

R^4 is hydrogen;
 R^5 is $-(CH_2)_o-NR^{22}R^{23}$ or piperidinyl;
 R^6 is hydrogen;
 R^7 is hydrogen;
 R^8 is hydrogen or C_{1-7} -alkyl;
 R^9 is hydrogen or C_{1-7} -alkyl;
 R^{10} is hydrogen or C_{1-7} -alkyl;
 R^{11} is hydrogen or halo;
 R^{12} is hydrogen or halo;
 R^{13} is hydrogen;
 R^{14} is hydrogen;
 R^{15} is hydrogen, halo, C_{1-7} -alkyl or halo- C_{1-7} -alkyl;
 R^{16} is hydrogen, halo, C_{1-7} -alkyl or halo- C_{1-7} -alkyl;
 R^{17} is hydrogen, halo, C_{1-7} -alkyl, halo- C_{1-7} -alkyl, C_{1-7} -alkoxy or aryl;
 R^{18} is hydrogen, halo or halo- C_{1-7} -alkyl;
 R^{19} is hydrogen or halo;
 R^{20} is hydrogen;
 R^{21} is hydrogen;
 R^{22} is hydrogen, C_{1-7} -alkyl and $-C(=NH)-NH_2$;
 R^{23} is hydrogen;
 m is 1;
 n is 3 or 4; and
 o is 1, 3 or 4;
 or a pharmaceutically acceptable salt thereof.

17. The compound of formula (Ia) according to claim 4 wherein

X^1 is CH or C-halo;
 X^2 is CH or C-halo;
 X^3 is CH;
 X^4 is CH or N;
 X^5 is CH, C-halo, C- C_{1-7} -alkyl or C- C_{1-7} -haloalkyl;
 X^6 is N, CH, C-halo, C- C_{1-7} -alkyl or C- C_{1-7} -haloalkyl;
 X^7 is CH, C-halo, C- C_{1-7} -alkyl, C- C_{1-7} -haloalkyl, C- C_{1-7} -alkoxy or C-aryl;
 X^8 is CH, C-halo or C- C_{1-7} -haloalkyl;
 R^1 is indolylmethyl optionally substituted with one or two substituents selected from chloro and methyl;
 R^2 is hydrogen or C_{1-7} -alkyl;
 R^3 is 3-amino-propyl or 4-amino-butyl;
 R^4 is hydrogen;

R^5 is 3-amino-propyl, 4-methylamino-butyl, guanidinyl-methyl or piperidinyl;
 R^6 is hydrogen;
 R^7 is hydrogen;
 R^8 is hydrogen or C_{1-7} -alkyl;
 R^9 is hydrogen or C_{1-7} -alkyl;
 R^{10} is hydrogen or C_{1-7} -alkyl;
 R^{19} is hydrogen or halo;
 or a pharmaceutically acceptable salt thereof.

18. The compound according to any of claims 1 to 3 selected from the group consisting of:

(12S,15S,18S)-15-(4-Amino-butyl)-18-(3-amino-propyl)-12-(1H-indol-3-ylmethyl)-13-methyl-2-thia-10,13,16,19-tetraaza-tricyclo[19.4.0.0*3,8*]pentacosa-1(21),3,5,7,22,24-hexaene-11,14,17-trione;

(12S,15S,18S)-15,18-Bis-(3-amino-propyl)-12-(1H-indol-3-ylmethyl)-13-methyl-2-thia-10,13,16,19-tetraaza-tricyclo[19.4.0.0*3,8*]pentacosa-1(21),3,5,7,22,24-hexaene-11,14,17-trione;

(12S,15S,18S)-15-(4-Amino-butyl)-12-(1H-indol-3-ylmethyl)-13-methyl-18-piperidin-4-yl-2-thia-10,13,16,19-tetraaza-tricyclo[19.4.0.0*3,8*]pentacosa-1(21),3,5,7,22,24-hexaene-11,14,17-trione;

(12S,15S,18S)-15-(4-Amino-butyl)-18-(3-amino-propyl)-6-chloro-12-(1H-indol-3-ylmethyl)-13-methyl-2-thia-10,13,16,19-tetraaza-tricyclo[19.4.0.0*3,8*]pentacosa-1(21),3,5,7,22,24-hexaene-11,14,17-trione;

N-[(11S,14S,17S)-14-(4-Amino-butyl)-17-(1H-indol-3-ylmethyl)-16-methyl-12,15,18-trioxo-2-thia-10,13,16,19-tetraaza-tricyclo[19.4.0.0*3,8*]pentacosa-1(25),3(8),4,6,21,23-hexaen-11-ylmethyl]-guanidine;

(12S,15S,18S)-15-(4-Amino-butyl)-18-(3-amino-propyl)-5-chloro-12-(1H-indol-3-ylmethyl)-13-methyl-2-thia-10,13,16,19-tetraaza-tricyclo[19.4.0.0*3,8*]pentacosa-1(21),3,5,7,22,24-hexaene-11,14,17-trione;

(12S,15S,18S)-15-(4-Amino-butyl)-18-(3-amino-propyl)-12-(1H-indol-3-ylmethyl)-6-methoxy-13-methyl-2-thia-10,13,16,19-tetraaza-tricyclo[19.4.0.0*3,8*]pentacosa-1(21),3,5,7,22,24-hexaene-11,14,17-trione;

(12S,15S,18S)-15-(4-Amino-butyl)-18-(3-amino-propyl)-12-(1H-indol-3-ylmethyl)-4,13-dimethyl-2-thia-10,13,16,19-tetraaza-tricyclo[19.4.0.0*3,8*]pentacosa-1(21),3,5,7,22,24-hexaene-11,14,17-trione;

- (12S,15S,18S)-15-(4-Amino-butyl)-18-(3-amino-propyl)-12-(1H-indol-3-ylmethyl)-5,13-dimethyl-2-thia-10,13,16,19-tetraaza-tricyclo[19.4.0.0*3,8*]pentacosa-1(21),3,5,7,22,24-hexaene-11,14,17-trione;
- (12S,15S,18S)-15-(4-Amino-butyl)-18-(3-amino-propyl)-12-(1H-indol-3-ylmethyl)-6,13-dimethyl-2-thia-10,13,16,19-tetraaza-tricyclo[19.4.0.0*3,8*]pentacosa-1(21),3,5,7,22,24-hexaene-11,14,17-trione;
- (12S,15S,18S)-15-(4-Amino-butyl)-18-(3-amino-propyl)-4-chloro-12-(1H-indol-3-ylmethyl)-13-methyl-2-thia-10,13,16,19-tetraaza-tricyclo[19.4.0.0*3,8*]pentacosa-1(21),3,5,7,22,24-hexaene-11,14,17-trione;
- (12S,15S,18S)-15-(4-Amino-butyl)-18-(3-amino-propyl)-12-(1H-indol-3-ylmethyl)-13-methyl-4-trifluoromethyl-2-thia-10,13,16,19-tetraaza-tricyclo[19.4.0.0*3,8*]pentacosa-1(21),3,5,7,22,24-hexaene-11,14,17-trione;
- (12S,15S,18S)-15-(4-Amino-butyl)-18-(3-amino-propyl)-12-(1H-indol-3-ylmethyl)-13-methyl-5-trifluoromethyl-2-thia-10,13,16,19-tetraaza-tricyclo[19.4.0.0*3,8*]pentacosa-1(21),3,5,7,22,24-hexaene-11,14,17-trione;
- (12S,15S,18S)-15-(4-Amino-butyl)-18-(3-amino-propyl)-12-(1H-indol-3-ylmethyl)-13-methyl-6-trifluoromethyl-2-thia-10,13,16,19-tetraaza-tricyclo[19.4.0.0*3,8*]pentacosa-1(21),3,5,7,22,24-hexaene-11,14,17-trione;
- (12S,15S,18S)-15-(4-Amino-butyl)-18-(3-amino-propyl)-12-(6-chloro-1H-indol-3-ylmethyl)-13-methyl-2-thia-10,13,16,19-tetraaza-tricyclo[19.4.0.0*3,8*]pentacosa-1(21),3,5,7,22,24-hexaene-11,14,17-trione;
- (12S,15S,18S)-15-(4-Amino-butyl)-18-(3-amino-propyl)-12-(6-chloro-1-methyl-1H-indol-3-ylmethyl)-13-methyl-2-thia-10,13,16,19-tetraaza-tricyclo[19.4.0.0*3,8*]pentacosa-1(21),3,5,7,22,24-hexaene-11,14,17-trione;
- (12S,15S,18S)-15-(4-Amino-butyl)-18-(3-amino-propyl)-6-chloro-13-methyl-12-(1-methyl-1H-indol-3-ylmethyl)-2-thia-10,13,16,19-tetraaza-tricyclo[19.4.0.0*3,8*]pentacosa-1(21),3,5,7,22,24-hexaene-11,14,17-trione;
- (12S,15S,18S)-15-(4-Amino-butyl)-18-(3-amino-propyl)-6-chloro-12-(6-chloro-1H-indol-3-ylmethyl)-13-methyl-2-thia-10,13,16,19-tetraaza-tricyclo[19.4.0.0*3,8*]pentacosa-1(21),3,5,7,22,24-hexaene-11,14,17-trione;
- (12S,15S,18S)-15-(4-Amino-butyl)-18-(3-amino-propyl)-6-chloro-12-(6-chloro-1-methyl-1H-indol-3-ylmethyl)-13-methyl-2-thia-10,13,16,19-tetraaza-tricyclo[19.4.0.0*3,8*]pentacosa-1(21),3,5,7,22,24-hexaene-11,14,17-trione;

- (9S,12S,15S,18S)-15-(4-Amino-butyl)-18-(3-amino-propyl)-6-chloro-12-(1H-indol-3-ylmethyl)-9,13-dimethyl-2-thia-10,13,16,19-tetraaza-tricyclo[19.4.0.0*3,8*]pentacosa-1(25),3,5,7,21,23-hexaene-11,14,17-trione;
- (12S,15S,18S)-15-(4-Amino-butyl)-18-(3-amino-propyl)-6,7-dichloro-12-(1H-indol-3-ylmethyl)-13-methyl-2-thia-10,13,16,19-tetraaza-tricyclo[19.4.0.0*3,8*]pentacosa-1(25),3,5,7,21,23-hexaene-11,14,17-trione;
- (12S,15S,18S)-15-(4-Amino-butyl)-18-(3-amino-propyl)-7-chloro-12-(1H-indol-3-ylmethyl)-13-methyl-2-thia-10,13,16,19-tetraaza-tricyclo[19.4.0.0*3,8*]pentacosa-1(25),3,5,7,21,23-hexaene-11,14,17-trione;
- (12S,15S,18S)-15-(4-Amino-butyl)-18-(3-amino-propyl)-4,7-dichloro-12-(1H-indol-3-ylmethyl)-13-methyl-2-thia-10,13,16,19-tetraaza-tricyclo[19.4.0.0*3,8*]pentacosa-1(25),3,5,7,21,23-hexaene-11,14,17-trione;
- (12S,15S,18S)-15-(4-Amino-butyl)-18-(3-amino-propyl)-4-chloro-12-(1H-indol-3-ylmethyl)-13-methyl-7-trifluoromethyl-2-thia-10,13,16,19-tetraaza-tricyclo[19.4.0.0*3,8*]pentacosa-1(25),3,5,7,21,23-hexaene-11,14,17-trione;
- (12S,15S,18S)-15-(4-Amino-butyl)-18-(3-amino-propyl)-4-chloro-12-(1H-indol-3-ylmethyl)-13-methyl-6-trifluoromethyl-2-thia-10,13,16,19-tetraaza-tricyclo[19.4.0.0*3,8*]pentacosa-1(25),3,5,7,21,23-hexaene-11,14,17-trione;
- (12S,15S,18S)-15-(4-Amino-butyl)-18-(3-amino-propyl)-4-chloro-7-fluoro-12-(1H-indol-3-ylmethyl)-13-methyl-2-thia-10,13,16,19-tetraaza-tricyclo[19.4.0.0*3,8*]pentacosa-1(25),3,5,7,21,23-hexaene-11,14,17-trione;
- (12S,15S,18S)-15-(4-Amino-butyl)-18-(3-amino-propyl)-4,6-dichloro-23-fluoro-12-(1H-indol-3-ylmethyl)-13-methyl-2-thia-10,13,16,19-tetraaza-tricyclo[19.4.0.0*3,8*]pentacosa-1(25),3,5,7,21,23-hexaene-11,14,17-trione;
- (11S,14S,17S)-14-(4-Amino-butyl)-11-(3-amino-propyl)-25-chloro-17-(1H-indol-3-ylmethyl)-16-methyl-2-thia-4,10,13,16,19-pentaaza-tricyclo[19.4.0.0*3,8*]pentacosa-1(25),3,5,7,21,23-hexaene-12,15,18-trione;
- (12S,15S,18S)-15-(4-Amino-butyl)-18-(3-amino-propyl)-4,7-difluoro-12-(1H-indol-3-ylmethyl)-13-methyl-2-thia-10,13,16,19-tetraaza-tricyclo[19.4.0.0*3,8*]pentacosa-1(21),3,5,7,22,24-hexaene-11,14,17-trione;
- (12S,15S,18S)-15-(4-Amino-butyl)-18-(3-amino-propyl)-4-fluoro-12-(1H-indol-3-ylmethyl)-13-methyl-2-thia-10,13,16,19-tetraaza-tricyclo[19.4.0.0*3,8*]pentacosa-1(21),3,5,7,22,24-hexaene-11,14,17-trione;

- (12S,15S,18S)-15-(4-Amino-butyl)-18-(3-amino-propyl)-6-chloro-12-(1H-indol-3-ylmethyl)-13-methyl-4-trifluoromethyl-2-thia-10,13,16,19-tetraaza-tricyclo[19.4.0.0*3,8*]pentacosa-1(25),3,5,7,21,23-hexaene-11,14,17-trione;
- (12S,15S,18S)-15-(4-Amino-butyl)-18-(3-amino-propyl)-13-methyl-12-(2-methyl-1H-indol-3-ylmethyl)-2-thia-10,13,16,19-tetraaza-tricyclo[19.4.0.0*3,8*]pentacosa-1(21),3,5,7,22,24-hexaene-11,14,17-trione;
- (11S,14S,17S)-14-(4-Amino-butyl)-11-(3-amino-propyl)-23-chloro-17-(1H-indol-3-ylmethyl)-16-methyl-2-thia-4,10,13,16,19-pentaaza-tricyclo[19.4.0.0*3,8*]pentacosa-1(25),3,5,7,21,23-hexaene-12,15,18-trione;
- (11S,14S,17S)-14-(4-Amino-butyl)-11-(3-amino-propyl)-22-chloro-17-(1H-indol-3-ylmethyl)-16-methyl-2-thia-4,10,13,16,19-pentaaza-tricyclo[19.4.0.0*3,8*]pentacosa-1(25),3,5,7,21,23-hexaene-12,15,18-trione;
- (12S,15S,18S)-15-(4-Amino-butyl)-18-(3-amino-propyl)-22-fluoro-12-(1H-indol-3-ylmethyl)-13-methyl-2-thia-10,13,16,19-tetraaza-tricyclo[19.4.0.0*3,8*]pentacosa-1(21),3,5,7,22,24-hexaene-11,14,17-trione;
- (11S,14S,17S)-14-(4-Amino-butyl)-11-(3-amino-propyl)-17-(1H-indol-3-ylmethyl)-16-methyl-25-trifluoromethyl-2-thia-4,10,13,16,19-pentaaza-tricyclo[19.4.0.0*3,8*]pentacosa-1(25),3,5,7,21,23-hexaene-12,15,18-trione;
- (11S,14S,17S)-14-(4-Amino-butyl)-11-(3-amino-propyl)-22,23-dichloro-17-(1H-indol-3-ylmethyl)-16-methyl-2-thia-4,10,13,16,19-pentaaza-tricyclo[19.4.0.0*3,8*]pentacosa-1(25),3,5,7,21,23-hexaene-12,15,18-trione;
- (11S,14S,17S)-14-(4-Amino-butyl)-11-(3-amino-propyl)-22,25-dichloro-17-(1H-indol-3-ylmethyl)-16-methyl-2-thia-4,10,13,16,19-pentaaza-tricyclo[19.4.0.0*3,8*]pentacosa-1(25),3(8),4,6,21,23-hexaene-12,15,18-trione;
- (11S,14S,17S)-14-(4-Amino-butyl)-11-(3-amino-propyl)-25-chloro-17-(1H-indol-3-ylmethyl)-16-methyl-22-trifluoromethyl-2-thia-4,10,13,16,19-pentaaza-tricyclo[19.4.0.0*3,8*]pentacosa-1(25),3,5,7,21,23-hexaene-12,15,18-trione;
- (11S,14S,17S)-14-(4-Amino-butyl)-11-(3-amino-propyl)-22,25-difluoro-17-(1H-indol-3-ylmethyl)-16-methyl-2-thia-4,10,13,16,19-pentaaza-tricyclo[19.4.0.0*3,8*]pentacosa-1(25),3(8),4,6,21,23-hexaene-12,15,18-trione;
- (12S,15S,18S)-15-(4-Amino-butyl)-18-(3-amino-propyl)-4-chloro-12-(1H-indol-3-ylmethyl)-6,13-dimethyl-2-thia-10,13,16,19-tetraaza-tricyclo[19.4.0.0*3,8*]pentacosa-1(25),3,5,7,21,23-hexaene-11,14,17-trione;

- (12S,15S,18S)-15-(4-Amino-butyl)-18-(3-amino-propyl)-4,6-dichloro-12-(1H-indol-3-ylmethyl)-13-methyl-2-thia-10,13,16,19-tetraaza-tricyclo[19.4.0.0*3,8*]pentacosa-1(25),3,5,7,21,23-hexaene-11,14,17-trione;
- (12S,15S,18S)-15-(4-Amino-butyl)-18-(3-amino-propyl)-6-chloro-13-ethyl-12-(1H-indol-3-ylmethyl)-2-thia-10,13,16,19-tetraaza-tricyclo[19.4.0.0*3,8*]pentacosa-1(21),3,5,7,22,24-hexaene-11,14,17-trione;
- (12S,15S,18S)-15-(4-Amino-butyl)-18-(3-amino-propyl)-13-ethyl-12-(1H-indol-3-ylmethyl)-6-methoxy-2-thia-10,13,16,19-tetraaza-tricyclo[19.4.0.0*3,8*]pentacosa-1(21),3,5,7,22,24-hexaene-11,14,17-trione;
- (12S,15S,18S)-15-(4-Amino-butyl)-18-(3-amino-propyl)-4-chloro-13-ethyl-12-(1H-indol-3-ylmethyl)-2-thia-10,13,16,19-tetraaza-tricyclo[19.4.0.0*3,8*]pentacosa-1(21),3,5,7,22,24-hexaene-11,14,17-trione;
- (12S,15S,18S)-15-(4-Amino-butyl)-18-(3-amino-propyl)-13-ethyl-12-(1H-indol-3-ylmethyl)-4-methyl-2-thia-10,13,16,19-tetraaza-tricyclo[19.4.0.0*3,8*]pentacosa-1(21),3,5,7,22,24-hexaene-11,14,17-trione;
- (12S,15S,18S)-15-(4-Amino-butyl)-18-(3-amino-propyl)-6-fluoro-12-(1H-indol-3-ylmethyl)-13-methyl-2-thia-10,13,16,19-tetraaza-tricyclo[19.4.0.0*3,8*]pentacosa-1(25),3,5,7,21,23-hexaene-11,14,17-trione;
- (12S,15S,18S)-15-(4-Amino-butyl)-4-chloro-12-(1H-indol-3-ylmethyl)-13-methyl-18-(4-methylamino-butyl)-2-thia-10,13,16,19-tetraaza-tricyclo[19.4.0.0*3,8*]pentacosa-1(21),3,5,7,22,24-hexaene-11,14,17-trione;
- (12S,15S,18S)-15-(4-Amino-butyl)-18-(3-amino-propyl)-4-chloro-12-(1H-indol-3-ylmethyl)-6-methoxy-13-methyl-2-thia-10,13,16,19-tetraaza-tricyclo[19.4.0.0*3,8*]pentacosa-1(25),3,5,7,21,23-hexaene-11,14,17-trione;
- (12S,15S,18S)-15-(4-Amino-butyl)-18-(3-amino-propyl)-12-(1H-indol-3-ylmethyl)-6-methoxy-4,13-dimethyl-2-thia-10,13,16,19-tetraaza-tricyclo[19.4.0.0*3,8*]pentacosa-1(25),3,5,7,21,23-hexaene-11,14,17-trione;
- (11S,14S,17S)-14-(4-Amino-butyl)-11-(3-amino-propyl)-17-(1H-indol-3-ylmethyl)-16,25-dimethyl-2-thia-4,10,13,16,19-pentaaza-tricyclo[19.4.0.0*3,8*]pentacosa-1(25),3,5,7,21,23-hexaene-12,15,18-trione;
- (11S,14S,17S)-14-(4-Amino-butyl)-11-(3-amino-propyl)-23-chloro-22-fluoro-17-(1H-indol-3-ylmethyl)-16-methyl-2-thia-4,10,13,16,19-pentaaza-tricyclo[19.4.0.0*3,8*]pentacosa-1(25),3(8),4,6,21,23-hexaene-12,15,18-trione;

- (11S,14S,17S)-14-(4-Amino-butyl)-11-(3-amino-propyl)-17-(1H-indol-3-ylmethyl)-16-methyl-22-trifluoromethyl-2-thia-4,10,13,16,19-pentaaza-tricyclo[19.4.0.0*3,8*]pentacosa-1(25),3,5,7,21,23-hexaene-12,15,18-trione;
- (11S,14S,17S)-14-(4-Amino-butyl)-11-(3-amino-propyl)-25-chloro-22-fluoro-17-(1H-indol-3-ylmethyl)-16-methyl-2-thia-4,10,13,16,19-pentaaza-tricyclo[19.4.0.0*3,8*]pentacosa-1(25),3(8),4,6,21,23-hexaene-12,15,18-trione;
- (12S,15S,18S)-15-(4-Amino-butyl)-18-(3-amino-propyl)-6-chloro-12-(1H-indol-3-ylmethyl)-4,13-dimethyl-2-thia-10,13,16,19-tetraaza-tricyclo[19.4.0.0*3,8*]pentacosa-1(25),3,5,7,21,23-hexaene-11,14,17-trione;
- (12S,15S,18S)-15-(4-Amino-butyl)-18-(3-amino-propyl)-23-fluoro-12-(1H-indol-3-ylmethyl)-13-methyl-2-thia-10,13,16,19-tetraaza-tricyclo[19.4.0.0*3,8*]pentacosa-1(25),3,5,7,21,23-hexaene-11,14,17-trione;
- (12S,15S,18S)-15-(4-Amino-butyl)-18-(3-amino-propyl)-6-chloro-13-methyl-12-(2-methyl-1H-indol-3-ylmethyl)-2-thia-10,13,16,19-tetraaza-tricyclo[19.4.0.0*3,8*]pentacosa-1(21),3,5,7,22,24-hexaene-11,14,17-trione;
- (12S,15S,18S)-15-(4-Amino-butyl)-18-(3-amino-propyl)-4,13-dimethyl-12-(2-methyl-1H-indol-3-ylmethyl)-2-thia-10,13,16,19-tetraaza-tricyclo[19.4.0.0*3,8*]pentacosa-1(21),3,5,7,22,24-hexaene-11,14,17-trione;
- (12S,15S,18S)-15-(4-Amino-butyl)-18-(3-amino-propyl)-4,6-dichloro-13-methyl-12-(2-methyl-1H-indol-3-ylmethyl)-2-thia-10,13,16,19-tetraaza-tricyclo[19.4.0.0*3,8*]pentacosa-1(21),3,5,7,22,24-hexaene-11,14,17-trione;
- (9S,12S,15S,18S)-15-(4-Amino-butyl)-18-(3-amino-propyl)-4-chloro-12-(1H-indol-3-ylmethyl)-9,13-dimethyl-2-thia-10,13,16,19-tetraaza-tricyclo[19.4.0.0*3,8*]pentacosa-1(25),3,5,7,21,23-hexaene-11,14,17-trione;
- (11S,14S,17S)-14-(4-Amino-butyl)-11-(3-amino-propyl)-17-(1H-indol-3-ylmethyl)-23-methoxy-16-methyl-2-thia-4,10,13,16,19-pentaaza-tricyclo[19.4.0.0*3,8*]pentacosa-1(25),3,5,7,21,23-hexaene-12,15,18-trione;
- (11S,14S,17S)-14-(4-Amino-butyl)-11-(3-amino-propyl)-25-chloro-17-(1H-indol-3-ylmethyl)-16-methyl-23-trifluoromethyl-2-thia-4,10,13,16,19-pentaaza-tricyclo[19.4.0.0*3,8*]pentacosa-1(25),3,5,7,21,23-hexaene-12,15,18-trione;
- (12S,15S,18S)-15-(4-Amino-butyl)-18-(3-amino-propyl)-12-(1H-indol-3-ylmethyl)-13-methyl-2-thia-5,10,13,16,19-pentaaza-tricyclo[19.4.0.0*3,8*]pentacosa-1(25),3,5,7,21,23-hexaene-11,14,17-trione;

- (12S,15S,18S)-15-(4-Amino-butyl)-18-(3-amino-propyl)-4-chloro-23-fluoro-12-(1H-indol-3-ylmethyl)-13-methyl-2-thia-10,13,16,19-tetraaza-tricyclo[19.4.0.0*3,8*]pentacosa-1(25),3,5,7,21,23-hexaene-11,14,17-trione;
- (12S,15S,18S)-15-(4-Amino-butyl)-18-(3-amino-propyl)-23-fluoro-12-(1H-indol-3-ylmethyl)-4,13-dimethyl-2-thia-10,13,16,19-tetraaza-tricyclo[19.4.0.0*3,8*]pentacosa-1(25),3,5,7,21,23-hexaene-11,14,17-trione;
- (12S,15S,18S)-15-(4-Amino-butyl)-18-(3-amino-propyl)-6-ethyl-12-(1H-indol-3-ylmethyl)-13-methyl-2-thia-10,13,16,19-tetraaza-tricyclo[19.4.0.0*3,8*]pentacosa-1(25),3,5,7,21,23-hexaene-11,14,17-trione;
- (11S,14S,17S)-14-(4-Amino-butyl)-11-(3-amino-propyl)-23,25-dichloro-17-(1H-indol-3-ylmethyl)-16-methyl-2-thia-4,10,13,16,19-pentaaza-tricyclo[19.4.0.0*3,8*]pentacosa-1(25),3,5,7,21,23-hexaene-12,15,18-trione;
- (11S,14S,17S)-14-(4-Amino-butyl)-11-(3-amino-propyl)-22-chloro-17-(1H-indol-3-ylmethyl)-16-methyl-25-trifluoromethyl-2-thia-4,10,13,16,19-pentaaza-tricyclo[19.4.0.0*3,8*]pentacosa-1(25),3,5,7,21,23-hexaene-12,15,18-trione;
- (12S,15S,18S)-15-(4-Amino-butyl)-18-(3-amino-propyl)-12-(1H-indol-3-ylmethyl)-13-methyl-6-phenyl-2-thia-10,13,16,19-tetraaza-tricyclo[19.4.0.0*3,8*]pentacosa-1(25),3,5,7,21,23-hexaene-11,14,17-trione;
- (12S,15S,18S)-15-(4-Amino-butyl)-18-(3-amino-propyl)-6-tert-butyl-12-(1H-indol-3-ylmethyl)-13-methyl-2-thia-10,13,16,19-tetraaza-tricyclo[19.4.0.0*3,8*]pentacosa-1(25),3,5,7,21,23-hexaene-11,14,17-trione;
- (12S,15S,18S)-15-(4-Amino-butyl)-18-(3-amino-propyl)-6-methoxy-13-methyl-12-(2-methyl-1H-indol-3-ylmethyl)-2-thia-10,13,16,19-tetraaza-tricyclo[19.4.0.0*3,8*]pentacosa-1(21),3,5,7,22,24-hexaene-11,14,17-trione;
- (12S,15S,18S)-15-(4-Amino-butyl)-18-(3-amino-propyl)-12-(1H-indol-3-ylmethyl)-6-isopropyl-13-methyl-2-thia-10,13,16,19-tetraaza-tricyclo[19.4.0.0*3,8*]pentacosa-1(25),3,5,7,21,23-hexaene-11,14,17-trione;
- (11S,14S,17S)-14-(4-Amino-butyl)-11-(3-amino-propyl)-25-chloro-22-fluoro-17-(1H-indol-3-ylmethyl)-16-methyl-2-thia-4,10,13,16,19-pentaaza-tricyclo[19.4.0.0*3,8*]pentacosa-1(25),3,5,7,21,23-hexaene-12,15,18-trione;
- (11S,14S,17S)-14-(4-Amino-butyl)-11-(3-amino-propyl)-25-chloro-16-methyl-17-(2-methyl-1H-indol-3-ylmethyl)-23-trifluoromethyl-2-thia-4,10,13,16,19-pentaaza-tricyclo[19.4.0.0*3,8*]pentacosa-1(25),3(8),4,6,21,23-hexaene-12,15,18-trione;

- (11S,14S,17S)-14-(4-Amino-butyl)-11-(3-amino-propyl)-25-chloro-16-methyl-17-(2-methyl-1H-indol-3-ylmethyl)-22-trifluoromethyl-2-thia-4,10,13,16,19-pentaaza-tricyclo[19.4.0.0*3,8*]pentacosa-1(25),3(8),4,6,21,23-hexaene-12,15,18-trione;
- (11S,14S,17S)-14-(4-Amino-butyl)-11-(3-amino-propyl)-23,25-dichloro-16-methyl-17-(2-methyl-1H-indol-3-ylmethyl)-2-thia-4,10,13,16,19-pentaaza-tricyclo[19.4.0.0*3,8*]pentacosa-1(25),3(8),4,6,21,23-hexaene-12,15,18-trione;
- (11S,14S,17S)-14-(4-Amino-butyl)-11-(3-amino-propyl)-25-chloro-16-ethyl-17-(1H-indol-3-ylmethyl)-23-trifluoromethyl-2-thia-4,10,13,16,19-pentaaza-tricyclo[19.4.0.0*3,8*]pentacosa-1(25),3(8),4,6,21,23-hexaene-12,15,18-trione;
- (11S,14S,17S)-14-(4-Amino-butyl)-11-(3-amino-propyl)-22,25-dichloro-16-ethyl-17-(1H-indol-3-ylmethyl)-2-thia-4,10,13,16,19-pentaaza-tricyclo[19.4.0.0*3,8*]pentacosa-1(25),3(8),4,6,21,23-hexaene-12,15,18-trione;
- (11S,14S,17S)-14-(4-Amino-butyl)-11-(3-amino-propyl)-25-chloro-16-ethyl-17-(1H-indol-3-ylmethyl)-22-trifluoromethyl-2-thia-4,10,13,16,19-pentaaza-tricyclo[19.4.0.0*3,8*]pentacosa-1(25),3(8),4,6,21,23-hexaene-12,15,18-trione;
- (11S,14S,17S)-14-(4-Amino-butyl)-11-(3-amino-propyl)-23,25-dichloro-16-ethyl-17-(1H-indol-3-ylmethyl)-2-thia-4,10,13,16,19-pentaaza-tricyclo[19.4.0.0*3,8*]pentacosa-1(25),3(8),4,6,21,23-hexaene-12,15,18-trione;
- (11S,14S,17S)-14-(4-Amino-butyl)-11-(3-amino-propyl)-23,25-dichloro-17-(1H-indol-3-ylmethyl)-2-thia-4,10,13,16,19-pentaaza-tricyclo[19.4.0.0*3,8*]pentacosa-1(25),3(8),4,6,21,23-hexaene-12,15,18-trione;
- (11S,14S,17S)-14-(4-Amino-butyl)-11-(3-amino-propyl)-22,25-dichloro-17-(1H-indol-3-ylmethyl)-2-thia-4,10,13,16,19-pentaaza-tricyclo[19.4.0.0*3,8*]pentacosa-1(25),3(8),4,6,21,23-hexaene-12,15,18-trione;
- (11S,14S,17S)-14-(4-Amino-butyl)-11-(3-amino-propyl)-25-chloro-16-ethyl-17-(1H-indol-3-ylmethyl)-23-trifluoromethyl-2-thia-4,10,13,16,19-pentaaza-tricyclo[19.4.0.0*3,8*]pentacosa-1(25),3(8),4,6,21,23-hexaene-12,15,18-trione;
- (11S,14S,17S)-14-(4-Amino-butyl)-11-(3-amino-propyl)-23-bromo-16-ethyl-17-(1H-indol-3-ylmethyl)-25-methyl-2-thia-4,10,13,16,19-pentaaza-tricyclo[19.4.0.0*3,8*]pentacosa-1(25),3(8),4,6,21,23-hexaene-12,15,18-trione;
- (11S,14S,17S)-14-(4-Amino-butyl)-25-chloro-17-(1H-indol-3-ylmethyl)-16-methyl-11-(3-methyl-3H-imidazol-4-ylmethyl)-23-trifluoromethyl-2-thia-4,10,13,16,19-pentaaza-tricyclo[19.4.0.0*3,8*]pentacosa-1(25),3(8),4,6,21,23-hexaene-12,15,18-trione;

- (11S,14S,17S)-14-(4-Amino-butyl)-25-chloro-17-(1H-indol-3-ylmethyl)-16-methyl-11-pyridin-3-ylmethyl-23-trifluoromethyl-2-thia-4,10,13,16,19-pentaaza-tricyclo[19.4.0.0*3,8*]pentacosa-1(25),3(8),4,6,21,23-hexaene-12,15,18-trione;
- (11S,14S,17S)-14-(4-Amino-butyl)-11-(3-amino-propyl)-17-(1H-indol-3-ylmethyl)-16-methyl-23-phenyl-25-trifluoromethyl-2-thia-4,10,13,16,19-pentaaza-tricyclo[19.4.0.0*3,8*]pentacosa-1(25),3,5,7,21,23-hexaene-12,15,18-trione;
- (11S,14S,17S)-14-(4-Amino-butyl)-11-(3-amino-propyl)-23-bromo-17-(1H-indol-3-ylmethyl)-16-methyl-25-trifluoromethyl-2-thia-4,10,13,16,19-pentaaza-tricyclo[19.4.0.0*3,8*]pentacosa-1(25),3,5,7,21,23-hexaene-12,15,18-trione;
- (11S,14S,17S)-14-(4-Amino-butyl)-11-(3-amino-propyl)-23-bromo-25-chloro-17-(1H-indol-3-ylmethyl)-16-methyl-2-thia-4,10,13,16,19-pentaaza-tricyclo[19.4.0.0*3,8*]pentacosa-1(25),3,5,7,21,23-hexaene-12,15,18-trione;
- (11S,14S,17S)-14-(4-Amino-butyl)-11-(3-amino-propyl)-22-bromo-25-chloro-17-(1H-indol-3-ylmethyl)-16-methyl-2-thia-4,10,13,16,19-pentaaza-tricyclo[19.4.0.0*3,8*]pentacosa-1(25),3,5,7,21,23-hexaene-12,15,18-trione;
- (11S,14S,17S)-14-(4-Amino-butyl)-11-(3-amino-propyl)-17-(1H-indol-3-ylmethyl)-16-methyl-23,25-bis-trifluoromethyl-2-thia-4,10,13,16,19-pentaaza-tricyclo[19.4.0.0*3,8*]pentacosa-1(25),3,5,7,21,23-hexaene-12,15,18-trione;
- (11S,14S,17S)-14-(4-Amino-butyl)-11-(3-amino-propyl)-25-chloro-17-(1H-indol-3-ylmethyl)-16-methyl-23-morpholin-4-yl-2-thia-4,10,13,16,19-pentaaza-tricyclo[19.4.0.0*3,8*]pentacosa-1(25),3,5,7,21,23-hexaene-12,15,18-trione;
- (14S,17S)-14-(4-Amino-butyl)-23,25-dichloro-17-(1H-indol-3-ylmethyl)-16-methyl-2-thia-4,10,13,16,19-pentaaza-tricyclo[19.4.0.0*3,8*]pentacosa-1(25),3,5,7,21,23-hexaene-12,15,18-trione;
- (11S,14S,17S)-14-(4-Amino-butyl)-23,25-dichloro-17-(1H-indol-3-ylmethyl)-11,16-dimethyl-2-thia-4,10,13,16,19-pentaaza-tricyclo[19.4.0.0*3,8*]pentacosa-1(25),3,5,7,21,23-hexaene-12,15,18-trione;
- (11S,14S,17S)-14-(4-Amino-butyl)-23,25-dichloro-17-(1H-indol-3-ylmethyl)-11-isopropyl-16-methyl-2-thia-4,10,13,16,19-pentaaza-tricyclo[19.4.0.0*3,8*]pentacosa-1(25),3,5,7,21,23-hexaene-12,15,18-trione;
- (11S,14S,17S)-14-(4-Amino-butyl)-23,25-dichloro-11-hydroxymethyl-17-(1H-indol-3-ylmethyl)-16-methyl-2-thia-4,10,13,16,19-pentaaza-tricyclo[19.4.0.0*3,8*]pentacosa-1(25),3,5,7,21,23-hexaene-12,15,18-trione;

- (11S,14S,17S)-14-(4-Amino-butyl)-11-(3-amino-propyl)-25-chloro-17-(1H-indol-3-ylmethyl)-16-methyl-23-trifluoromethyl-2-thia-4,7,10,13,16,19-hexaaza-tricyclo[19.4.0.0*3,8*]pentacosa-1(21),3,5,7,22,24-hexaene-12,15,18-trione;
- (11S,14S,17S)-14-(4-Amino-butyl)-11-(3-amino-propyl)-25-chloro-17-(1H-indol-3-ylmethyl)-16-methyl-22-trifluoromethyl-2-thia-4,7,10,13,16,19-hexaaza-tricyclo[19.4.0.0*3,8*]pentacosa-1(21),3,5,7,22,24-hexaene-12,15,18-trione;
- (11S,14S,17S)-14-(4-Amino-butyl)-11-(3-amino-propyl)-25-chloro-17-(1H-indol-3-ylmethyl)-16-methyl-23-pyridin-3-yl-2-thia-4,10,13,16,19-pentaaza-tricyclo[19.4.0.0*3,8*]pentacosa-1(25),3,5,7,21,23-hexaene-12,15,18-trione;
- (11S,14S,17S)-14-(4-Amino-butyl)-11-(3-amino-propyl)-25-chloro-17-(1H-indol-3-ylmethyl)-16-methyl-23-pyridin-4-yl-2-thia-4,10,13,16,19-pentaaza-tricyclo[19.4.0.0*3,8*]pentacosa-1(25),3,5,7,21,23-hexaene-12,15,18-trione;
- (11S,14S,17S)-14-(4-Amino-butyl)-23,25-dichloro-17-(1H-indol-3-ylmethyl)-11-isobutyl-16-methyl-2-thia-4,10,13,16,19-pentaaza-tricyclo[19.4.0.0*3,8*]pentacosa-1(25),3,5,7,21,23-hexaene-12,15,18-trione;
- (11S,14S,17S)-14-(4-Amino-butyl)-11-(3-amino-propyl)-25-chloro-17-(1H-indol-3-ylmethyl)-23-(2-methoxy-pyridin-4-yl)-16-methyl-2-thia-4,10,13,16,19-pentaaza-tricyclo[19.4.0.0*3,8*]pentacosa-1(25),3,5,7,21,23-hexaene-12,15,18-trione;
- 3-[(11S,14S,17S)-14-(4-Amino-butyl)-23,25-dichloro-17-(1H-indol-3-ylmethyl)-16-methyl-12,15,18-trioxo-2-thia-4,10,13,16,19-pentaaza-tricyclo[19.4.0.0*3,8*]pentacosa-1(25),3,5,7,21,23-hexaen-11-yl]-propionamide;
- (11S,14S,17S)-14-(4-Amino-butyl)-11-(3-amino-propyl)-22,25-dichloro-17-(1H-indol-3-ylmethyl)-16-methyl-2-thia-7,10,13,16,19-pentaaza-tricyclo[19.4.0.0*3,8*]pentacosa-1(21),3,5,7,22,24-hexaene-12,15,18-trione;
- (11S,14S,17S)-14-(4-Amino-butyl)-11-(3-amino-propyl)-25-chloro-17-(1H-indol-3-ylmethyl)-16-methyl-23-(2-methyl-pyridin-4-yl)-2-thia-4,10,13,16,19-pentaaza-tricyclo[19.4.0.0*3,8*]pentacosa-1(25),3,5,7,21,23-hexaene-12,15,18-trione;
- (11S,14S,17S)-14-(4-Amino-butyl)-23,25-dichloro-11-((S)-1-hydroxy-ethyl)-17-(1H-indol-3-ylmethyl)-16-methyl-2-thia-4,10,13,16,19-pentaaza-tricyclo[19.4.0.0*3,8*]pentacosa-1(25),3,5,7,21,23-hexaene-12,15,18-trione;
- (14S,17S)-14-(4-Amino-butyl)-23,25-dichloro-17-(1H-indol-3-ylmethyl)-11,11,16-trimethyl-2-thia-4,10,13,16,19-pentaaza-tricyclo[19.4.0.0*3,8*]pentacosa-1(25),3,5,7,21,23-hexaene-12,15,18-trione;

- (11S,14S,17S)-14-(4-Amino-butyl)-23,25-dichloro-17-(1H-indol-3-ylmethyl)-16-methyl-11-naphthalen-2-ylmethyl-2-thia-4,10,13,16,19-pentaaza-tricyclo[19.4.0.0*3,8*]pentacosa-1(25),3,5,7,21,23-hexaene-12,15,18-trione;
- (11S,14S,17S)-14-(4-Amino-butyl)-11-(3-amino-propyl)-23-(6-amino-pyridin-3-yl)-25-chloro-17-(1H-indol-3-ylmethyl)-16-methyl-2-thia-4,10,13,16,19-pentaaza-tricyclo[19.4.0.0*3,8*]pentacosa-1(25),3(8),4,6,21,23-hexaene-12,15,18-trione;
- (11S,14S,17S)-14-(4-Amino-butyl)-11-(3-amino-propyl)-22,25-dichloro-17-(1H-indol-3-ylmethyl)-16-methyl-2-thia-4,7,10,13,16,19-hexaaza-tricyclo[19.4.0.0*3,8*]pentacosa-1(25),3,5,7,21,23-hexaene-12,15,18-trione;
- (11S,14S,17S)-14-(4-Amino-butyl)-11-(3-amino-propyl)-25-chloro-17-(1H-indol-3-ylmethyl)-16-methyl-22-trifluoromethyl-2-thia-7,10,13,16,19-pentaaza-tricyclo[19.4.0.0*3,8*]pentacosa-1(25),3(8),4,6,21,23-hexaene-12,15,18-trione;
- (11S,14S,17S)-14-(4-Amino-butyl)-11-(3-amino-propyl)-25-chloro-17-(1H-indol-3-ylmethyl)-16-methyl-23-trifluoromethyl-2-thia-7,10,13,16,19-pentaaza-tricyclo[19.4.0.0*3,8*]pentacosa-1(25),3,5,7,21,23-hexaene-12,15,18-trione;
- (12S,15S,18S)-15-(4-Amino-butyl)-18-(3-amino-propyl)-4-chloro-12-(1H-indol-3-ylmethyl)-13-methyl-2-thia-5,10,13,16,19-pentaaza-tricyclo[19.4.0.0*3,8*]pentacosa-1(25),3,5,7,21,23-hexaene-11,14,17-trione;
- (11S,14S,17S)-14-(4-Amino-butyl)-23,25-dichloro-17-(1H-indol-3-ylmethyl)-16-methyl-11-naphthalen-1-ylmethyl-2-thia-4,10,13,16,19-pentaaza-tricyclo[19.4.0.0*3,8*]pentacosa-1(25),3,5,7,21,23-hexaene-12,15,18-trione;
- (11S,14S,17S)-14-(4-Amino-butyl)-11-(3-amino-propyl)-25-chloro-17-(1H-indol-3-ylmethyl)-16-methyl-23-[2-(4-methyl-piperazin-1-yl)-pyridin-4-yl]-2-thia-4,10,13,16,19-pentaaza-tricyclo[19.4.0.0*3,8*]pentacosa-1(25),3,5,7,21,23-hexaene-12,15,18-trione;
- {(7S,10S,13S)-10-(4-aminobutyl)-7-(3-aminopropyl)-20-chloro-13-[(1H-indol-3-yl)methyl]-12-methyl-8,11,14-trioxo-5,6,7,8,9,10,11,12,13,14,15,16-dodecahydropyrido[2,3-b][1,5,8,11,14]benzothiatetraazacycloheptadecin-18-yl}boronic acid;
- (12S,15S,18S)-15-(3-Amino-propyl)-18-biphenyl-4-ylmethyl-12-(1H-indol-3-ylmethyl)-19-methyl-2-thia-10,13,16,19-tetraaza-tricyclo[19.4.0.0*3,8*]pentacosa-1(25),3,5,7,21,23-hexaene-11,14,17-trione;
- (11S,14S,17S)-14-(4-Amino-butyl)-11-(2-amino-ethoxymethyl)-25-chloro-17-(1H-indol-3-ylmethyl)-16-methyl-22-trifluoromethyl-2-thia-4,10,13,16,19-pentaaza-tricyclo[19.4.0.0*3,8*]pentacosa-1(25),3,5,7,21,23-hexaene-12,15,18-trione;

- (11S,14S,17S)-11,14-Bis-(2-amino-ethoxymethyl)-25-chloro-17-(1H-indol-3-ylmethyl)-16-methyl-22-trifluoromethyl-2-thia-4,10,13,16,19-pentaazatricyclo[19.4.0.0*3,8*]pentacosa-1(25),3,5,7,21,23-hexaene-12,15,18-trione;
- (11S,14S,17S)-14-(2-Amino-ethoxymethyl)-11-(3-amino-propyl)-25-chloro-17-(1H-indol-3-ylmethyl)-16-methyl-22-trifluoromethyl-2-thia-4,10,13,16,19-pentaazatricyclo[19.4.0.0*3,8*]pentacosa-1(25),3,5,7,21,23-hexaene-12,15,18-trione;
- 3-[(11S,14S,17S)-14-(4-Amino-butyl)-22,25-dichloro-17-(1H-indol-3-ylmethyl)-16-methyl-12,15,18-trioxo-2-thia-4,10,13,16,19-pentaazatricyclo[19.4.0.0*3,8*]pentacosa-1(25),3,5,7,21,23-hexaen-11-yl]-propionamide;
- (11S,14S,17S)-14-(4-Amino-butyl)-11-(3-amino-propyl)-25-chloro-17-(1H-indol-3-ylmethyl)-16-methyl-22-trifluoromethyl-2-thia-5,10,13,16,19-pentaazatricyclo[19.4.0.0*3,8*]pentacosa-1(25),3,5,7,21,23-hexaene-12,15,18-trione;
- (11S,14S,17S)-14-(4-Amino-butyl)-11-(3-amino-propyl)-25-chloro-17-(1H-indol-3-ylmethyl)-16-methyl-23-trifluoromethyl-2-thia-5,10,13,16,19-pentaazatricyclo[19.4.0.0*3,8*]pentacosa-1(25),3,5,7,21,23-hexaene-12,15,18-trione;
- (11R,14S,17S)-14-(4-Amino-butyl)-11-(3-amino-propyl)-25-chloro-17-(1H-indol-3-ylmethyl)-24-phenyl-2-thia-4,10,13,16,19-pentaazatricyclo[19.4.0.0*3,8*]pentacosa-1(25),3,5,7,21,23-hexaene-12,15,18-trione;
- (11S,14S,17S)-14-(4-Amino-butyl)-11-(3-amino-propyl)-25-chloro-17-(1H-indol-3-ylmethyl)-24-phenyl-2-thia-4,10,13,16,19-pentaazatricyclo[19.4.0.0*3,8*]pentacosa-1(25),3,5,7,21,23-hexaene-12,15,18-trione;
- (11R,14S,17S)-14-(4-Amino-butyl)-11-(3-amino-propyl)-25-chloro-17-(1H-indol-3-ylmethyl)-16-methyl-24-phenyl-2-thia-4,10,13,16,19-pentaazatricyclo[19.4.0.0*3,8*]pentacosa-1(25),3,5,7,21,23-hexaene-12,15,18-trione;
- 2-[(11S,14S,17S)-14-(4-Amino-butyl)-23,25-dichloro-17-(1H-indol-3-ylmethyl)-16-methyl-12,15,18-trioxo-2-thia-4,10,13,16,19-pentaazatricyclo[19.4.0.0*3,8*]pentacosa-1(25),3(8),4,6,21,23-hexaen-11-yl]-acetamide;
- (12S,15S,18S)-15-(4-Amino-butyl)-18-(3-amino-propyl)-12-(1H-indol-3-ylmethyl)-13-methyl-6-phenyl-4-trifluoromethyl-2-thia-10,13,16,19-tetraazatricyclo[19.4.0.0*3,8*]pentacosa-1(25),3,5,7,21,23-hexaene-11,14,17-trione;
- (11S,14S,17S)-14-(4-Amino-butyl)-11-(3-amino-propyl)-25-chloro-17-(1H-indol-3-ylmethyl)-16-methyl-22-phenyl-2-thia-4,10,13,16,19-pentaazatricyclo[19.4.0.0*3,8*]pentacosa-1(25),3(8),4,6,21,23-hexaene-12,15,18-trione;

- (11S,14S,17S)-14-(4-Amino-butyl)-11-(3-amino-propyl)-25-chloro-17-(1H-indol-3-ylmethyl)-16-methyl-23-pyrrolidin-1-yl-2-thia-4,10,13,16,19-pentaaza-tricyclo[19.4.0.0*3,8*]pentacosa-1(25),3(8),4,6,21,23-hexaene-12,15,18-trione;
- (11S,14S,17S)-14-(4-Amino-butyl)-11-(3-amino-propyl)-25-chloro-17-(5-fluoro-1H-indol-3-ylmethyl)-16-methyl-22-trifluoromethyl-2-thia-4,10,13,16,19-pentaaza-tricyclo[19.4.0.0*3,8*]pentacosa-1(25),3,5,7,21,23-hexaene-12,15,18-trione;
- (11S,14S,17S)-14-(4-Amino-butyl)-11-(3-amino-propyl)-25-chloro-16-methyl-17-quinolin-2-ylmethyl-22-trifluoromethyl-2-thia-4,10,13,16,19-pentaaza-tricyclo[19.4.0.0*3,8*]pentacosa-1(25),3,5,7,21,23-hexaene-12,15,18-trione;
- (12S,15S,18S)-15,18-Bis-(3-amino-propyl)-4,6-dichloro-12-(1H-indol-3-ylmethyl)-13-methyl-2-thia-10,13,16,19-tetraaza-tricyclo[19.4.0.0*3,8*]pentacosa-1(25),3,5,7,21,23-hexaene-11,14,17-trione;
- 3-[(11S,14S,17S)-14-(4-Amino-butyl)-25-chloro-17-(1H-indol-3-ylmethyl)-23-(2-methoxy-pyridin-4-yl)-16-methyl-12,15,18-trioxo-2-thia-4,10,13,16,19-pentaaza-tricyclo[19.4.0.0*3,8*]pentacosa-1(25),3(8),4,6,21,23-exaen-11-yl]-propionamide;
- (11S,14S,17S)-14-(4-Amino-butyl)-11-(3-amino-propyl)-25-chloro-17-(5-chloro-1H-indol-3-ylmethyl)-16-methyl-22-trifluoromethyl-2-thia-4,10,13,16,19-pentaaza-tricyclo[19.4.0.0*3,8*]pentacosa-1(25),3,5,7,21,23-hexaene-12,15,18-trione;
- (11S,14S,17S)-14-(4-Amino-butyl)-11-(3-amino-propyl)-25-chloro-17-(2,3-dihydro-1H-indol-3-ylmethyl)-16-methyl-22-trifluoromethyl-2-thia-4,10,13,16,19-pentaaza-tricyclo[19.4.0.0*3,8*]pentacosa-1(25),3,5,7,21,23-hexaene-12,15,18-trione;
- 3-[(11S,14S,17S)-14-(4-Amino-butyl)-25-chloro-17-(1H-indol-3-ylmethyl)-16-methyl-23-morpholin-4-yl-12,15,18-trioxo-2-thia-4,10,13,16,19-pentaaza-tricyclo[19.4.0.0*3,8*]pentacosa-1(25),3(8),4,6,21,23-hexaen-11-yl]-propionamide;
- (11S,14S,17S)-14-(4-Amino-butyl)-11-(3-amino-propyl)-25-chloro-23-(3,6-dihydro-2H-pyran-4-yl)-17-(1H-indol-3-ylmethyl)-16-methyl-2-thia-4,10,13,16,19-pentaaza-tricyclo[19.4.0.0*3,8*]pentacosa-1(25),3(8),4,6,21,23-hexaene-12,15,18-trione;
- {3-[(11S,14S,17S)-14-(4-Amino-butyl)-22,25-dichloro-17-(1H-indol-3-ylmethyl)-16-methyl-12,15,18-trioxo-2-thia-4,10,13,16,19-pentaaza-tricyclo[19.4.0.0*3,8*]pentacosa-1(25),3(8),4,6,21,23-hexaen-11-yl]-propyl}barbamic acid benzyl ester;

- (12S,15S,18S)-15-(4-Amino-butyl)-18-(3-amino-propyl)-4-chloro-12-(1H-indol-3-ylmethyl)-13-methyl-6-phenyl-2-thia-10,13,16,19-tetraaza-tricyclo[19.4.0.0*3,8*]pentacosa-1(25),3,5,7,21,23-hexaene-11,14,17-trione;
- (12S,15S,18S)-15-(4-Amino-butyl)-18-(3-amino-propyl)-4-chloro-6-(2-chloro-phenyl)-12-(1H-indol-3-ylmethyl)-13-methyl-2-thia-10,13,16,19-tetraaza-tricyclo[19.4.0.0*3,8*]pentacosa-1(25),3,5,7,21,23-hexaene-11,14,17-trione;
- (12S,15S,18S)-15-(4-Amino-butyl)-18-(3-amino-propyl)-4-chloro-12-(1H-indol-3-ylmethyl)-13-methyl-6-pyridin-3-yl-2-thia-10,13,16,19-tetraaza-tricyclo[19.4.0.0*3,8*]pentacosa-1(25),3,5,7,21,23-hexaene-11,14,17-trione;
- (12S,15S,18S)-15-(4-Amino-butyl)-18-(3-amino-propyl)-4-chloro-12-(1H-indol-3-ylmethyl)-13-methyl-6-pyridin-4-yl-2-thia-10,13,16,19-tetraaza-tricyclo[19.4.0.0*3,8*]pentacosa-1(25),3,5,7,21,23-hexaene-11,14,17-trione;
- (12S,15S,18S)-15-(4-Amino-butyl)-18-(3-amino-propyl)-4-chloro-12-(1H-indol-3-ylmethyl)-13-methyl-6-(1-methyl-1H-pyrazol-3-yl)-2-thia-10,13,16,19-tetraaza-tricyclo[19.4.0.0*3,8*]pentacosa-1(25),3,5,7,21,23-hexaene-11,14,17-trione;
- 3-[(11S,14S,17S)-14-(4-Amino-butyl)-25-chloro-17-(1H-indol-3-ylmethyl)-16-methyl-23-(2-methyl-pyridin-4-yl)-12,15,18-trioxo-2-thia-4,10,13,16,19-pentaaza-tricyclo[19.4.0.0*3,8*]pentacosa-1(25),3(8),4,6,21,23-hexaen-11-yl]-propionamide;
- (11S,14S,17S)-14-(4-Amino-butyl)-11-(3-amino-propyl)-25-chloro-17-(1H-indol-3-ylmethyl)-16-methyl-23-pyrazin-2-yl-2-thia-4,10,13,16,19-pentaaza-tricyclo[19.4.0.0*3,8*]pentacosa-1(25),3(8),4,6,21,23-hexaene-12,15,18-trione;
- (11S,14S,17S)-14-(4-Amino-butyl)-11-(3-amino-propyl)-25-chloro-17-(1H-indol-3-ylmethyl)-16-methyl-22-morpholin-4-yl-2-thia-4,10,13,16,19-pentaaza-tricyclo[19.4.0.0*3,8*]pentacosa-1(25),3(8),4,6,21,23-hexaene-12,15,18-trione;
- (11S,14S,17S)-14-(4-Amino-butyl)-11-(3-amino-propyl)-25-chloro-17-(1H-indol-3-ylmethyl)-16-methyl-23-pyridazin-4-yl-2-thia-4,10,13,16,19-pentaaza-tricyclo[19.4.0.0*3,8*]pentacosa-1(25),3(8),4,6,21,23-hexaene-12,15,18-trione;
- 11-(3-amino-propyl)-25-chloro-17-(1H-indol-3-ylmethyl)-16-methyl-23-phenyl-2-thia-4,10,13,16,19-pentaaza-tricyclo[19.4.0.0*3,8*]pentacosa-1(25),3(8),4,6,21,23-hexaene-12,15,18-trione;
- (11S,14S,17S)-14-(4-Amino-butyl)-11-(3-amino-propyl)-25-chloro-17-(1H-indol-3-ylmethyl)-16-methyl-23-pyridin-2-yl-2-thia-4,10,13,16,19-pentaaza-tricyclo[19.4.0.0*3,8*]pentacosa-1(25),3(8),4,6,21,23-hexaene-12,15,18-trione;

- (12S,15S,18S)-15-(4-Amino-butyl)-18-(3-amino-propyl)-6-bromo-4-chloro-12-(1H-indol-3-ylmethyl)-13-methyl-2-thia-10,13,16,19-tetraaza-tricyclo[19.4.0.0*3,8*]pentacosa-1(25),3,5,7,21,23-hexaene-11,14,17-trione;
- (8S,11S,14S)-8-((1H-Indol-3-yl)methyl)-11-(4-aminobutyl)-14-(3-aminopropyl)-1,4-dichloro-9-methyl-5,6,8,9,11,12,15,16-octahydrobenzo[b]pyrido[4,3-p][1,5,8,11,14]thiatetraazacycloheptadecine-7,10,13(14H)-trione;
- (8S,11S,14S)-8-((1H-Indol-3-yl)methyl)-11-(4-aminobutyl)-14-(3-aminopropyl)-3-chloro-9-methyl-5,6,8,9,11,12,15,16-octahydrobenzo[b]pyrido[4,3-p][1,5,8,11,14]thiatetraazacycloheptadecine-7,10,13(14H)-trione;
- (12S,15S,18S)-15-(4-Amino-butyl)-18-(3-amino-propyl)-4-chloro-12-(1H-indol-3-ylmethyl)-13-methyl-6-(1-methyl-1H-imidazol-4-yl)-2-thia-10,13,16,19-tetraaza-tricyclo[19.4.0.0*3,8*]pentacosa-1(25),3,5,7,21,23-hexaene-11,14,17-trione;
- 3-[(11S,14S,17S)-14-(4-Amino-butyl)-17-(1H-indol-3-ylmethyl)-16-methyl-12,15,18-trioxo-23-phenyl-25-trifluoromethyl-2-thia-10,13,16,19-tetraaza-tricyclo[19.4.0.0*3,8*]pentacosa-1(25),3,5,7,21,23-hexaen-11-yl]-propionamide;
- (7S,10S,13S)-13-((1H-Indol-3-yl)methyl)-10-(4-aminobutyl)-7-(3-aminopropyl)-20-chloro-12-methyl-18-(trifluoromethyl)-6,7,9,10,12,13,15,16-octahydrobenzo[b]pyrido[3,4-p][1,5,8,11,14]thiatetraazacycloheptadecine-8,11,14(5H)-trione;
- (7S,10S,13S)-13-((1H-Indol-3-yl)methyl)-10-(4-aminobutyl)-7-(3-aminopropyl)-20-chloro-12-methyl-6,7,9,10,12,13,15,16-octahydrodipyrido[2,3-b:3',4'-p][1,5,8,11,14]thiatetraazacycloheptadecine-8,11,14(5H)-trione;
- (8S,11S,14S)-8-((1H-Indol-3-yl)methyl)-11-(4-aminobutyl)-14-(3-aminopropyl)-1-chloro-9-methyl-5,6,8,9,11,12,15,16-octahydrobenzo[b]pyrido[3,4-p][1,5,8,11,14]thiatetraazacycloheptadecine-7,10,13(14H)-trione;
- (7S,10S,13S)-13-((1H-Indol-3-yl)methyl)-10-(4-aminobutyl)-7-(3-aminopropyl)-18-chloro-12-methyl-6,7,9,10,12,13,15,16-octahydrodipyrido[2,3-b:4',3'-p][1,5,8,11,14]thiatetraazacycloheptadecine-8,11,14(5H)-trione;
- 3-[(11S,14S,17S)-14-(3-Amino-propyl)-23,25-dichloro-17-(1H-indol-3-ylmethyl)-16-methyl-12,15,18-trioxo-2-thia-4,10,13,16,19-pentaaza-tricyclo[19.4.0.0*3,8*]pentacosa-1(25),3(8),4,6,21,23-hexaen-11-yl]-propionamide;
- 3-[(11S,14S,17S)-11-(3-Amino-propyl)-17-(1H-indol-3-ylmethyl)-16-methyl-12,15,18-trioxo-23-phenyl-25-trifluoromethyl-2-thia-10,13,16,19-tetraaza-tricyclo[19.4.0.0*3,8*]pentacosa-1(25),3,5,7,21,23-hexaen-14-yl]-propionamide;

- (11S,14S,17S)-14-(4-Amino-butyl)-11-(3-amino-propyl)-25-chloro-17-(1H-indol-3-ylmethyl)-16-methyl-23-(2-morpholin-4-yl-pyridin-4-yl)-2-thia-4,10,13,16,19-pentaaza-tricyclo[19.4.0.0*3,8*]pentacosa-1(25),3(8),4,6,21,23-hexaene-12,15,18-trione;
- 3-[(11S,14S,17S)-14-(4-Amino-butyl)-25-chloro-17-(1H-indol-3-ylmethyl)-16-methyl-12,15,18-trioxo-23-pyridin-2-yl-2-thia-4,10,13,16,19-pentaaza-tricyclo[19.4.0.0*3,8*]pentacosa-1(25),3(8),4,6,21,23-hexaen-11-yl] - propionamide;
- (11S,14S,17S)-14-(4-Amino-butyl)-11-(3-amino-propyl)-25-chloro-23-(2-chloro-pyridin-4-yl)-17-(1H-indol-3-ylmethyl)-16-methyl-2-thia-4,10,13,16,19-pentaaza-tricyclo[19.4.0.0*3,8*]pentacosa-1(21),3,5,7,22,24-hexaene-12,15,18-trione;
- (11S,14S,17S)-14-(4-Amino-butyl)-11-(3-amino-propyl)-25-chloro-23-(6-hydroxy-pyridin-3-yl)-17-(1H-indol-3-ylmethyl)-16-methyl-2-thia-4,10,13,16,19-pentaaza-tricyclo[19.4.0.0*3,8*]pentacosa-1(25),3(8),4,6,21,23-hexaene-12,15,18-trione;
- (11S,14S,17S)-14-(4-Amino-butyl)-11-(3-amino-propyl)-25-chloro-23-(6-dimethylamino-pyridin-3-yl)-17-(1H-indol-3-ylmethyl)-16-methyl-2-thia-4,10,13,16,19-pentaaza-tricyclo[19.4.0.0*3,8*]pentacosa-1(25),3(8),4,6,21,23-hexaene-12,15,18-trione;
- (7S,10S,13S)-13-((1H-Indol-3-yl)methyl)-10-(4-aminobutyl)-7-(3-aminopropyl)-12-methyl-18-(2-methylpyridin-4-yl)-6,7,9,10,12,13,15,16-octahydrodipyrido[2,3-b:4',3'-p][1,5,8,11,14]thiatetraazacycloheptadecine-8,11,14(5H)-trione;
- (12S,15S,18S)-15-(4-Amino-butyl)-18-(3-amino-propyl)-5-bromo-4-chloro-12-(1H-indol-3-ylmethyl)-13-methyl-2-thia-10,13,16,19-tetraaza-tricyclo[19.4.0.0*3,8*]pentacosa-1(25),3,5,7,21,23-hexaene-11,14,17-trione;
- 3-[(11S,14S,17S)-14-(4-Amino-butyl)-25-chloro-23-(3,5-dimethyl-isoxazol-4-yl)-17-(1H-indol-3-ylmethyl)-16-methyl-12,15,18-trioxo-2-thia-4,10,13,16,19-pentaaza-tricyclo[19.4.0.0*3,8*]pentacosa-1(25),3(8),4,6,21,23-hexaen-11-yl]-propionamide;
- (11S,14S,17S)-14-(4-Amino-butyl)-11-(3-amino-propyl)-25-chloro-16-methyl-17-(2-methyl-1H-indol-3-ylmethyl)-23-(2-methyl-pyridin-4-yl)-2-thia-4,10,13,16,19-pentaaza-tricyclo[19.4.0.0*3,8*]pentacosa-1(25),3(8),4,6,21,23-hexaene-12,15,18-trione;
- (11S,14S,17S)-14-(4-Amino-butyl)-11-(3-amino-propyl)-25-chloro-23-(2-methoxy-pyridin-4-yl)-16-methyl-17-(2-methyl-1H-indol-3-ylmethyl)-2-thia-

- 4,10,13,16,19-pentaaza-tricyclo[19.4.0.0*3,8*]pentacosa-1(25),3(8),4,6,21,23-hexaene-12,15,18-trione;
- (11S,14S,17S)-14-(4-Amino-butyl)-11-(3-amino-propyl)-25-chloro-17-(1H-indol-3-ylmethyl)-23-(4-methanesulfonyl-phenyl)-16-methyl-2-thia-4,10,13,16,19-pentaaza-tricyclo[19.4.0.0*3,8*]pentacosa-1(25),3(8),4,6,21,23-hexaene-12,15,18-trione;
- (11S,14S,17S)-14-(4-Amino-butyl)-11-(3-amino-propyl)-25-chloro-17-(1H-indol-3-ylmethyl)-23-(5-methanesulfonyl-pyridin-3-yl)-16-methyl-2-thia-4,10,13,16,19-pentaaza-tricyclo[19.4.0.0*3,8*]pentacosa-1(25),3(8),4,6,21,23-hexaene-12,15,18-trione;
- (11S,14S,17S)-14-(4-Amino-butyl)-11-(3-amino-propyl)-23-(3-amino-pyrrolidin-1-yl)-25-chloro-17-(1H-indol-3-ylmethyl)-16-methyl-2-thia-4,10,13,16,19-pentaaza-tricyclo[19.4.0.0*3,8*]pentacosa-1(25),3(8),4,6,21,23-hexaene-12,15,18-trione;
- (11S,14S,17S)-14-(4-Amino-butyl)-11-(3-amino-propyl)-25-chloro-23-(3,5-dimethyl-1H-pyrazol-4-yl)-17-(1H-indol-3-ylmethyl)-16-methyl-2-thia-4,10,13,16,19-pentaaza-tricyclo[19.4.0.0*3,8*]pentacosa-1(25),3(8),4,6,21,23-hexaene-12,15,18-trione;
- (12S,15S,18S)-15-(4-Amino-butyl)-18-(3-amino-propyl)-4-chloro-12-(1H-indol-3-ylmethyl)-13-methyl-5-phenyl-2-thia-10,13,16,19-tetraaza-tricyclo[19.4.0.0*3,8*]pentacosa-1(25),3,5,7,21,23-hexaene-11,14,17-trione;
- (11S,14S,17S)-14-(4-Amino-butyl)-11-(3-amino-propyl)-25-chloro-23-(2-fluoro-pyridin-4-yl)-17-(1H-indol-3-ylmethyl)-16-methyl-2-thia-4,10,13,16,19-pentaaza-tricyclo[19.4.0.0*3,8*]pentacosa-1(25),3(8),4,6,21,23-hexaene-12,15,18-trione;
- (7S,10S,13S)-13-((1H-Indol-3-yl)methyl)-10-(4-aminobutyl)-7-(3-aminopropyl)-12-methyl-18-(6-methylpyridin-3-yl)-6,7,9,10,12,13,15,16-octahydrodipyrido[2,3-b:4',3'-p][1,5,8,11,14]thiatetraazacycloheptadecine-8,11,14(5H)-trione;
- (8S,11S,14S)-8-((1H-Indol-3-yl)methyl)-11-(4-aminobutyl)-14-(3-aminopropyl)-3-chloro-9-methyl-5,6,8,9,11,12,15,16-octahydrobenzo[b]pyrido[3,2-p][1,5,8,11,14]thiatetraazacycloheptadecine-7,10,13(14H)-trione;
- [(11S,14S,17S)-14-(4-Amino-butyl)-23,25-dichloro-17-(1H-indol-3-ylmethyl)-16-methyl-12,15,18-trioxo-2-thia-4,10,13,16,19-pentaaza-tricyclo[19.4.0.0*3,8*]pentacosa-1(25),3(8),4,6,21,23-hexaen-11-ylmethyl]-urea;
- (11S,14S,17S)-14-(4-Amino-butyl)-11-(3-amino-propyl)-25-chloro-16-methyl-17-(2-methyl-1H-indol-3-ylmethyl)-23-pyridin-4-yl-2-thia-4,10,13,16,19-pentaaza-tricyclo[19.4.0.0*3,8*]pentacosa-1(25),3(8),4,6,21,23-hexaene-12,15,18-trione;

- (11S,14S,17S)-14-(4-Amino-butyl)-11-(3-amino-propyl)-25-chloro-23-(2-chloro-pyridin-4-yl)-16-methyl-17-(2-methyl-1H-indol-3-ylmethyl)-2-thia-4,10,13,16,19-pentaaza-tricyclo[19.4.0.0*3,8*]pentacosa-1(25),3(8),4,6,21,23-hexaene-12,15,18-trione;
- (11S,14S,17S)-14-(4-Amino-butyl)-11-(3-amino-propyl)-25-chloro-23-(2-fluoro-pyridin-4-yl)-16-methyl-17-(2-methyl-1H-indol-3-ylmethyl)-2-thia-4,10,13,16,19-pentaaza-tricyclo[19.4.0.0*3,8*]pentacosa-1(25),3(8),4,6,21,23-hexaene-12,15,18-trione;
- 3-[(11S,14S,17S)-14-(4-Amino-butyl)-25-chloro-17-(1H-indol-3-ylmethyl)-16-methyl-12,15,18-trioxo-23-phenyl-2-thia-4,10,13,16,19-pentaaza-tricyclo[19.4.0.0*3,8*]pentacosa-1(25),3(8),4,6,21,23-hexaen-11-yl]-propionamide;
- (11S,14S,17S)-14-(4-Amino-butyl)-11-(3-amino-propyl)-25-chloro-17-(1H-indol-3-ylmethyl)-16-methyl-12,15,18-trioxo-2-thia-4,10,13,16,19-pentaaza-tricyclo[19.4.0.0*3,8*]pentacosa-1(25),3(8),4,6,21,23-hexaene-23-carbonitrile;
- (11S,14S,17S)-14-(4-Amino-butyl)-11-(3-amino-propyl)-25-chloro-23-(3,5-dimethyl-isoxazol-4-yl)-17-(1H-indol-3-ylmethyl)-16-methyl-2-thia-4,10,13,16,19-pentaaza-tricyclo[19.4.0.0*3,8*]pentacosa-1(25),3(8),4,6,21,23-hexaene-12,15,18-trione;
- (11S,14S,17S)-14-(4-Amino-butyl)-11-(3-amino-propyl)-25-chloro-17-(1H-indol-3-ylmethyl)-16-methyl-23-(2-oxa-5-aza-bicyclo[2.2.1]hept-5-yl)-2-thia-4,10,13,16,19-pentaaza-tricyclo[19.4.0.0*3,8*]pentacosa-1(25),3(8),4,6,21,23-hexaene-12,15,18-trione;
- (11S,14S,17S)-14-(4-Amino-butyl)-11-(3-amino-propyl)-23-(3-benzyloxy-prop-1-ynyl)-25-chloro-17-(1H-indol-3-ylmethyl)-16-methyl-2-thia-4,10,13,16,19-pentaaza-tricyclo[19.4.0.0*3,8*]pentacosa-1(25),3(8),4,6,21,23-hexaene-12,15,18-trione;
- (8S,11S,14S)-8-((1H-Indol-3-yl)methyl)-11-(4-aminobutyl)-14-(3-aminopropyl)-4-chloro-9-methyl-1-phenyl-5,6,8,9,11,12,15,16-octahydrobenzo[b]pyrido[4,3-p][1,5,8,11,14]thiatetraazacycloheptadecine-7,10,13(14H)-trione;
- (11S,14S,17S)-14-(4-Amino-butyl)-11-(3-amino-propyl)-25-chloro-17-(1H-indol-3-ylmethyl)-16-methyl-22-pyridin-4-yl-2-thia-4,10,13,16,19-pentaaza-tricyclo[19.4.0.0*3,8*]pentacosa-1(21),3,5,7,22,24-hexaene-12,15,18-trione;
- (11S,14S,17S)-14-(4-Amino-butyl)-11-(3-amino-propyl)-25-chloro-17-(1H-indol-3-ylmethyl)-16-methyl-22-pyridin-3-yl-2-thia-4,10,13,16,19-pentaaza-tricyclo[19.4.0.0*3,8*]pentacosa-1(25),3(8),4,6,21,23-hexaene-12,15,18-trione;

- (8S,11S,14S)-8-((1H-Indol-3-yl)methyl)-11-(4-aminobutyl)-14-(3-aminopropyl)-9-methyl-2-morpholino-5,6,8,9,11,12,15,16-octahydrobenzo[b]pyrido[3,2-p][1,5,8,11,14]thiatetraazacycloheptadecine-7,10,13(14H)-trione;
- (8S,11S,14S)-8-((1H-Indol-3-yl)methyl)-11-(4-aminobutyl)-14-(3-aminopropyl)-9-methyl-4-morpholino-5,6,8,9,11,12,15,16-octahydrobenzo[b]pyrido[3,4-p][1,5,8,11,14]thiatetraazacycloheptadecine-7,10,13(14H)-trione;
- (8S,11S,14S)-8-((1H-Indol-3-yl)methyl)-11-(4-aminobutyl)-14-(3-aminopropyl)-4-chloro-9-methyl-1-(pyridin-3-yl)-5,6,8,9,11,12,15,16-octahydrobenzo[b]pyrido[4,3-p][1,5,8,11,14]thiatetraazacycloheptadecine-7,10,13(14H)-trione;
- (8S,11S,14S)-8-((1H-Indol-3-yl)methyl)-11-(4-aminobutyl)-14-(3-aminopropyl)-4-chloro-9-methyl-1-(pyridin-4-yl)-5,6,8,9,11,12,15,16-octahydrobenzo[b]pyrido[4,3-p][1,5,8,11,14]thiatetraazacycloheptadecine-7,10,13(14H)-trione;
- (8S,11S,14S)-8-((1H-Indol-3-yl)methyl)-11-(4-aminobutyl)-14-(3-aminopropyl)-4-chloro-1-(2-methoxypyridin-4-yl)-9-methyl-5,6,8,9,11,12,15,16-octahydrobenzo[b]pyrido[4,3-p][1,5,8,11,14]thiatetraazacycloheptadecine-7,10,13(14H)-trione;
- (7S,10S,13S)-13-((1H-Indol-3-yl)methyl)-10-(4-aminobutyl)-7-(3-aminopropyl)-18-bromo-12-methyl-6,7,9,10,12,13,15,16-octahydrodipyrido[2,3-b:2',3'-p][1,5,8,11,14]thiatetraazacycloheptadecine-8,11,14(5H)-trione;
- (8S,11S,14S)-8-((1H-Indol-3-yl)methyl)-11-(4-aminobutyl)-14-(3-aminopropyl)-4-chloro-9-methyl-1-(2-(trifluoromethyl)pyridin-4-yl)-5,6,8,9,11,12,15,16-octahydrobenzo[b]pyrido[4,3-p][1,5,8,11,14]thiatetraazacycloheptadecine-7,10,13(14H)-trione;
- (11S,14S,17S)-14-(4-Amino-butyl)-11-(3-amino-propyl)-25-chloro-23-(5-methanesulfonyl-pyridin-3-yl)-16-methyl-17-(2-methyl-1H-indol-3-ylmethyl)-2-thia-4,10,13,16,19-pentaaza-tricyclo[19.4.0.0*3,8*]pentacosa-1(25),3(8),4,6,21,23-hexaene-12,15,18-trione;
- (11S,14S,17S)-14-(4-Amino-butyl)-11-(3-amino-propyl)-25-chloro-16-methyl-17-(2-methyl-1H-indol-3-ylmethyl)-22-pyridin-3-yl-2-thia-4,10,13,16,19-pentaaza-tricyclo[19.4.0.0*3,8*]pentacosa-1(25),3(8),4,6,21,23-hexaene-12,15,18-trione;
- (8S,11S,14S)-8-((1H-Indol-3-yl)methyl)-11-(4-aminobutyl)-14-(3-aminopropyl)-4-chloro-9-methyl-1-morpholino-5,6,8,9,11,12,15,16-octahydrobenzo[b]pyrido[4,3-p][1,5,8,11,14]thiatetraazacycloheptadecine-7,10,13(14H)-trione;

- (11S,14S,17S)-14-(4-Amino-butyl)-11-(3-amino-propyl)-25-chloro-16-methyl-17-(2-methyl-1H-indol-3-ylmethyl)-22-pyridin-4-yl-2-thia-4,10,13,16,19-pentaaza-tricyclo[19.4.0.0*3,8*]pentacos-1(25),3(8),4,6,21,23-hexaene-12,15,18-trione;
- (7S,10S,13S)-10-(4-aminobutyl)-7-(3-aminopropyl)-20-chloro-6,7,9,10,12,13,15,16-octahydro-12-methyl-13-[(2-methyl-1H-indol-3-yl)methyl]-18-[2-(4-methyl-1-piperazinyl)-4-pyridinyl]pyrido[2,3-b][1,5,8,11,14]benzothiatetraazacycloheptadecine-8,11,14(5H)-trione;
- (7S,10S,13S)-13-((1H-Indol-3-yl)methyl)-10-(4-aminobutyl)-7-(3-aminopropyl)-12-methyl-18-morpholino-6,7,9,10,12,13,15,16-octahydrodipyrido[2,3-b:4',3'-p][1,5,8,11,14]thiatetraazacycloheptadecine-8,11,14(5H)-trione;
- (7S,10S,13S)-13-((1H-Indol-3-yl)methyl)-10-(4-aminobutyl)-7-(3-aminopropyl)-18-(2-methoxypyridin-4-yl)-12-methyl-6,7,9,10,12,13,15,16-octahydrodipyrido[2,3-b:4',3'-p][1,5,8,11,14]thiatetraazacycloheptadecine-8,11,14(5H)-trione;
- (12S,15S,18S)-15-(4-Amino-butyl)-18-(3-amino-propyl)-23-bromo-4-chloro-12-(1H-indol-3-ylmethyl)-13-methyl-2-thia-10,13,16,19-tetraaza-tricyclo[19.4.0.0*3,8*]pentacos-1(25),3,5,7,21,23-hexaene-11,14,17-trione;
- (12S,15S,18S)-15-(4-Amino-butyl)-18-(3-amino-propyl)-4-chloro-12-(1H-indol-3-ylmethyl)-13-methyl-23-phenyl-2-thia-10,13,16,19-tetraaza-tricyclo[19.4.0.0*3,8*]pentacos-1(25),3,5,7,21,23-hexaene-11,14,17-trione;
- (12S,15S,18S)-15-(4-Amino-butyl)-18-(3-amino-propyl)-4-chloro-12-(1H-indol-3-ylmethyl)-13-methyl-23-pyridin-3-yl-2-thia-10,13,16,19-tetraaza-tricyclo[19.4.0.0*3,8*]pentacos-1(25),3,5,7,21,23-hexaene-11,14,17-trione;
- (11S,14S,17S)-14-(4-Amino-butyl)-11-(3-amino-propyl)-25-chloro-23-(2,6-difluoropyridin-4-yl)-17-(1H-indol-3-ylmethyl)-16-methyl-2-thia-4,10,13,16,19-pentaaza-tricyclo[19.4.0.0*3,8*]pentacos-1(21),3(8),4,6,22,24-hexaene-12,15,18-trione;
- 3-[(11S,14S,17S)-14-(4-Amino-butyl)-23,25-dichloro-17-(1H-indol-3-ylmethyl)-16-methyl-12,15,18-trioxo-2-thia-4,10,13,16,19-pentaaza-tricyclo[19.4.0.0*3,8*]pentacos-1(25),3(8),4,6,21,23-hexaen-11-yl]-N-methyl-propionamide;
- 4-[(11S,14S,17S)-14-(4-Amino-butyl)-11-(3-amino-propyl)-25-chloro-17-(1H-indol-3-ylmethyl)-16-methyl-12,15,18-trioxo-2-thia-4,10,13,16,19-pentaaza-tricyclo[19.4.0.0*3,8*]pentacos-1(25),3(8),4,6,21,23-hexaen-23-yl]-benzonitrile;

- (11S,14S,17S)-14-(4-Amino-butyl)-11-(3-amino-propyl)-25-chloro-17-(1H-indol-3-ylmethyl)-16-methyl-22-(2-methyl-pyridin-4-yl)-2-thia-4,10,13,16,19-pentaazatricyclo[19.4.0.0*3,8*]pentacosa-1(25),3(8),4,6,21,23-hexaene-12,15,18-trione;
- (11S,14S,17S)-14-(4-Amino-butyl)-11-(3-amino-propyl)-25-chloro-17-(1H-indol-3-ylmethyl)-16-methyl-23-pyrimidin-4-yl-2-thia-4,10,13,16,19-pentaazatricyclo[19.4.0.0*3,8*]pentacosa-1(21),3,5,7,22,24-hexaene-12,15,18-trione;
- 4-[(11S,14S,17S)-14-(4-Amino-butyl)-11-(3-amino-propyl)-25-chloro-17-(1H-indol-3-ylmethyl)-16-methyl-12,15,18-trioxo-2-thia-4,10,13,16,19-pentaazatricyclo[19.4.0.0*3,8*]pentacosa-1(21),3,5,7,22,24-hexaen-23-yl]-benzenesulfonamide;
- (7S,10S,13S)-13-((1H-Indol-3-yl)methyl)-10-(4-aminobutyl)-7-(3-aminopropyl)-12-methyl-18-(2-methylpyridin-4-yl)-6,7,9,10,12,13,15,16-octahydrodipyrido[2,3-b:2',3'-p][1,5,8,11,14]thiatetraazacycloheptadecine-8,11,14(5H)-trione;
- (12S,15S,18S)-15-(4-Amino-butyl)-23-(4-aminomethyl-phenyl)-18-(3-amino-propyl)-4-chloro-12-(1H-indol-3-ylmethyl)-13-methyl-2-thia-10,13,16,19-tetraazatricyclo[19.4.0.0*3,8*]pentacosa-1(25),3,5,7,21,23-hexaene-11,14,17-trione;
- (7S,10S,13S)-13-((1H-Indol-3-yl)methyl)-10-(4-aminobutyl)-7-(3-aminopropyl)-18-(2-methoxypyridin-4-yl)-12-methyl-6,7,9,10,12,13,15,16-octahydrodipyrido[2,3-b:2',3'-p][1,5,8,11,14]thiatetraazacycloheptadecine-8,11,14(5H)-trione;
- (7S,10S,13S)-13-((1H-Indol-3-yl)methyl)-10-(4-aminobutyl)-7-(3-aminopropyl)-12-methyl-18-morpholino-6,7,9,10,12,13,15,16-octahydrodipyrido[2,3-b:2',3'-p][1,5,8,11,14]thiatetraazacycloheptadecine-8,11,14(5H)-trione;
- (12S,15S,18S)-15-(4-Amino-butyl)-18-(3-amino-propyl)-24-bromo-4-chloro-12-(1H-indol-3-ylmethyl)-13-methyl-2-thia-10,13,16,19-tetraazatricyclo[19.4.0.0*3,8*]pentacosa-1(25),3,5,7,21,23-hexaene-11,14,17-trione;
- (12S,15S,18S)-15-(4-Amino-butyl)-18-(3-amino-propyl)-4-chloro-12-(1H-indol-3-ylmethyl)-13-methyl-24-phenyl-2-thia-10,13,16,19-tetraazatricyclo[19.4.0.0*3,8*]pentacosa-1(25),3,5,7,21,23-hexaene-11,14,17-trione;
- 3-[(11S,14S,17S)-14-(4-Amino-butyl)-25-chloro-17-(1H-indol-3-ylmethyl)-16-methyl-12,15,18-trioxo-22-pyridin-3-yl-2-thia-4,10,13,16,19-pentaazatricyclo[19.4.0.0*3,8*]pentacosa-1(25),3(8),4,6,21,23-hexaen-11-yl]-propionamide;
- (11S,14S,17S)-14-(4-Amino-butyl)-11-(3-amino-propyl)-25-chloro-22-(2-fluoropyridin-4-yl)-17-(1H-indol-3-ylmethyl)-16-methyl-2-thia-4,10,13,16,19-pentaazatricyclo[19.4.0.0*3,8*]pentacosa-1(25),3(8),4,6,21,23hexaene-12,15,18-trione;

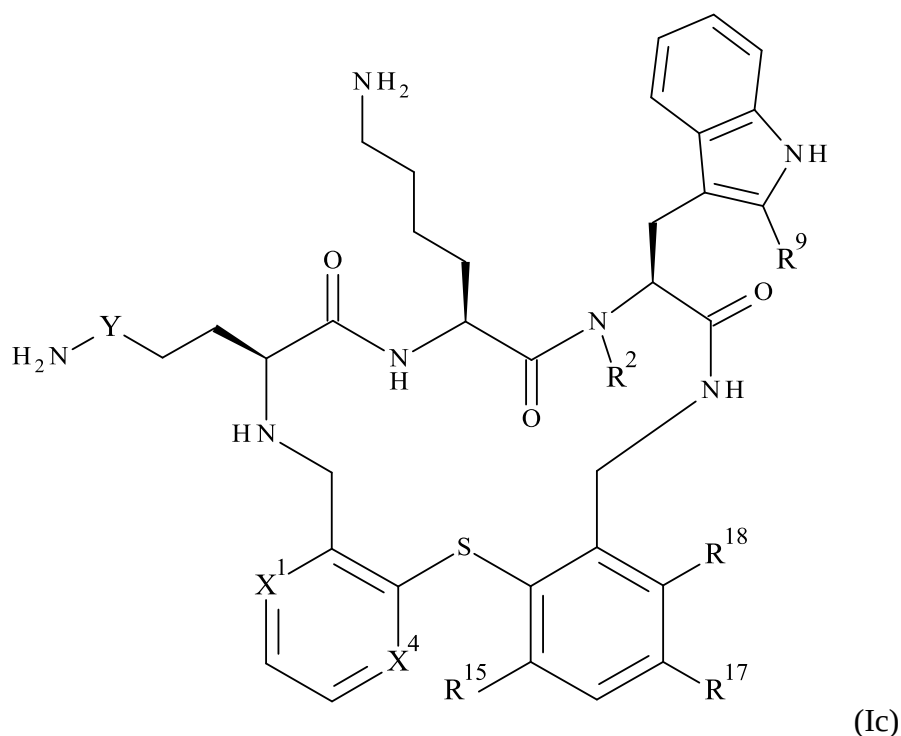
- (11S,14S,17S)-14-(4-Amino-butyl)-11-(3-amino-propyl)-23-(2-amino-pyridin-4-yl)-25-chloro-17-(1H-indol-3-ylmethyl)-16-methyl-2-thia-4,10,13,16,19-pentaaza-tricyclo[19.4.0.0*3,8*]pentacosa-1(21),3,5,7,22,24-hexaene-12,15,18-trione;
- 4-[(11S,14S,17S)-14-(4-Amino-butyl)-11-(3-amino-propyl)-25-chloro-17-(1H-indol-3-ylmethyl)-16-methyl-12,15,18-trioxo-2-thia-4,10,13,16,19-pentaaza-tricyclo[19.4.0.0*3,8*]pentacosa-1(21),3,5,7,22,24-hexaen-22-yl]-benzenesulfonamide;
- (11S,14S,17S)-14-(4-Amino-butyl)-11-(3-amino-propyl)-25-chloro-17-(1H-indol-3-ylmethyl)-22-(4-methanesulfonyl-phenyl)-16-methyl-2-thia-4,10,13,16,19-pentaaza-tricyclo[19.4.0.0*3,8*]pentacosa-1(21),3,5,7,22,24-hexaene-12,15,18-trione;
- (7S,10S,13S)-13-((1H-Indol-3-yl)methyl)-10-(4-aminobutyl)-7-(3-aminopropyl)-3-fluoro-12-methyl-6,7,9,10,12,13,15,16-octahydrobenzo[b]pyrido[3,2-p][1,5,8,11,14]thiatetraazacycloheptadecine-8,11,14(5H)-trione;
- (11S,14S,17S)-14-(4-Amino-butyl)-11-(3-amino-propyl)-25-chloro-23-imidazol-1-yl-17-(1H-indol-3-ylmethyl)-16-methyl-2-thia-4,10,13,16,19-pentaaza-tricyclo[19.4.0.0*3,8*]pentacosa-1(21),3,5,7,22,24-hexaene-12,15,18-trione;
- (11S,14S,17S)-14-(4-Amino-butyl)-11-(3-amino-propyl)-22-(6-amino-pyridin-3-yl)-25-chloro-17-(1H-indol-3-ylmethyl)-16-methyl-2-thia-4,10,13,16,19-pentaaza-tricyclo[19.4.0.0*3,8*]pentacosa-1(21),3,5,7,22,24-hexaene-12,15,18-trione;
- 4-[(11S,14S,17S)-14-(4-Amino-butyl)-11-(3-amino-propyl)-25-chloro-17-(1H-indol-3-ylmethyl)-16-methyl-12,15,18-trioxo-2-thia-4,10,13,16,19-pentaaza-tricyclo[19.4.0.0*3,8*]pentacosa-1(21),3,5,7,22,24-hexaen-23-yl]-pyridine-2-carbonitrile;
- (11S,14S,17S)-14-(4-Amino-butyl)-11-(3-amino-propyl)-25-chloro-22-(6-hydroxy-pyridin-3-yl)-17-(1H-indol-3-ylmethyl)-16-methyl-2-thia-4,10,13,16,19-pentaaza-tricyclo[19.4.0.0*3,8*]pentacosa-1(21),3,5,7,22,24-hexaene-12,15,18-trione;
- 3-[(11S,14S,17S)-14-(4-Amino-butyl)-25-chloro-22-(2-fluoro-pyridin-4-yl)-17-(1H-indol-3-ylmethyl)-16-methyl-12,15,18-trioxo-2-thia-4,10,13,16,19-pentaaza-tricyclo[19.4.0.0*3,8*]pentacosa-1(21),3,5,7,22,24-hexaen-11-yl]-propionamide;
- (11S,14S,17S)-14-(4-Amino-butyl)-11-(3-amino-propyl)-25-chloro-17-(1H-indol-3-ylmethyl)-16-methyl-23-(1H-pyrrol-3-yl)-2-thia-4,10,13,16,19-pentaaza-tricyclo[19.4.0.0*3,8*]pentacosa-1(25),3(8),4,6,21,23-hexaene-12,15,18-trione;

- (11S,14S,17S)-14-(4-Amino-butyl)-11-(3-amino-propyl)-25-chloro-16-methyl-17-(2-methyl-1H-indol-3-ylmethyl)-12,15,18-trioxo-2-thia-4,10,13,16,19-pentaaza-tricyclo[19.4.0.0*3,8*]pentacosa-1(25),3(8),4,6,21,23-hexaene-23-carbonitrile;
- (11S,14S,17S)-14-(4-Amino-butyl)-11-(3-amino-propyl)-25-chloro-23-(4-methanesulfonyl-phenyl)-16-methyl-17-(2-methyl-1H-indol-3-ylmethyl)-2-thia-4,10,13,16,19-pentaaza-tricyclo[19.4.0.0*3,8*]pentacosa-1(25),3(8),4,6,21,23-hexaene-12,15,18-trione;
- 4-[(11S,14S,17S)-14-(4-Amino-butyl)-11-(3-amino-propyl)-25-chloro-16-methyl-17-(2-methyl-1H-indol-3-ylmethyl)-12,15,18-trioxo-2-thia-4,10,13,16,19-pentaaza-tricyclo[19.4.0.0*3,8*]pentacosa-1(25),3(8),4,6,21,23-hexaen-23-yl]-benzenesulfonamide;
- (7S,10S,13S)-13-((1H-Indol-3-yl)methyl)-10-(4-aminobutyl)-7-(3-aminopropyl)-3-bromo-12-methyl-6,7,9,10,12,13,15,16-octahydrobenzo[b]pyrido[3,2-p][1,5,8,11,14]thiatetraazacycloheptadecine-8,11,14(5H)-trione;
- (7S,10S,13S)-13-((1H-Indol-3-yl)methyl)-10-(4-aminobutyl)-7-(3-aminopropyl)-17-(dimethylamino)-12-methyl-6,7,9,10,12,13,15,16-octahydrodipyrido[2,3-b:3',4'-p][1,5,8,11,14]thiatetraazacycloheptadecine-8,11,14(5H)-trione;
- (7S,10S,13S)-13-((1H-Indol-3-yl)methyl)-10-(4-aminobutyl)-7-(3-aminopropyl)-12-methyl-17-(pyridin-3-yl)-6,7,9,10,12,13,15,16-octahydrodipyrido[2,3-b:3',4'-p][1,5,8,11,14]thiatetraazacycloheptadecine-8,11,14(5H)-trione;
- 4-[(11S,14S,17S)-14-(4-Amino-butyl)-11-(3-amino-propyl)-25-chloro-17-(1H-indol-3-ylmethyl)-16-methyl-12,15,18-trioxo-2-thia-4,10,13,16,19-pentaaza-tricyclo[19.4.0.0*3,8*]pentacosa-1(25),3(8),4,6,21,23-hexaen-22-yl]-benzoic acid;
- (11S,14S,17S)-14-(4-Amino-butyl)-11-(3-amino-propyl)-25-chloro-22-[4-(2,3-dihydroxy-propoxy)-phenyl]-17-(1H-indol-3-ylmethyl)-16-methyl-2-thia-4,10,13,16,19-pentaaza-tricyclo[19.4.0.0*3,8*]pentacosa-1(25),3(8),4,6,21,23-hexaene-12,15,18-trione;
- {4-[(11S,14S,17S)-14-(4-Amino-butyl)-11-(3-amino-propyl)-25-chloro-17-(1H-indol-3-ylmethyl)-16-methyl-12,15,18-trioxo-2-thia-4,10,13,16,19-pentaaza-tricyclo[19.4.0.0*3,8*]pentacosa-1(25),3(8),4,6,21,23-hexaen-22-yl]-phenoxy}-acetic acid;
- (11S,14S,17S)-14-(4-Amino-butyl)-11-(3-amino-propyl)-25-chloro-17-(1H-indol-3-ylmethyl)-16-methyl-22-[4-(piperidin-4-yloxy)-phenyl]-2-thia-4,10,13,16,19-pentaaza-tricyclo[19.4.0.0*3,8*]pentacosa-1(25),3(8),4,6,21,23-hexaene-12,15,18-trione;

- (11S,14S,17S)-14-(4-Amino-butyl)-22-(4-aminomethyl-phenyl)-11-(3-amino-propyl)-25-chloro-17-(1H-indol-3-ylmethyl)-16-methyl-2-thia-4,10,13,16,19-pentaaza-tricyclo[19.4.0.0*3,8*]pentacosa-1(25),3(8),4,6,21,23-hexaene-12,15,18-trione;
- (11S,14S,17S)-14-(4-Amino-butyl)-22-[3-(2-amino-ethyl)-phenyl]-11-(3-amino-propyl)-25-chloro-17-(1H-indol-3-ylmethyl)-16-methyl-2-thia-4,10,13,16,19-pentaaza-tricyclo[19.4.0.0*3,8*]pentacosa-1(25),3(8),4,6,21,23-hexaene-12,15,18-trione;
- (11S,14S,17S)-14-(4-Amino-butyl)-11-(3-amino-propyl)-25-chloro-17-(1H-indol-3-ylmethyl)-16-methyl-22-(4-piperazin-1-yl-phenyl)-2-thia-4,10,13,16,19-pentaaza-tricyclo[19.4.0.0*3,8*]pentacosa-1(25),3(8),4,6,21,23-hexaene-12,15,18-trione;
- 4-[(11S,14S,17S)-14-(4-Amino-butyl)-11-(3-amino-propyl)-25-chloro-17-(1H-indol-3-ylmethyl)-16-methyl-12,15,18-trioxo-2-thia-4,10,13,16,19-pentaaza-tricyclo[19.4.0.0*3,8*]pentacosa-1(25),3(8),4,6,21,23-hexaen-22-yl]-N-(2-hydroxy-ethyl)-benzenesulfonamide;
- 4-[(11S,14S,17S)-14-(4-Amino-butyl)-11-(3-amino-propyl)-25-chloro-17-(1H-indol-3-ylmethyl)-16-methyl-12,15,18-trioxo-2-thia-4,10,13,16,19-pentaaza-tricyclo[19.4.0.0*3,8*]pentacosa-1(25),3(8),4,6,21,23-hexaen-22-yl]-N-(2-hydroxy-ethyl)-benzamide;
- 4-[(11S,14S,17S)-14-(4-Amino-butyl)-11-(3-amino-propyl)-25-chloro-17-(1H-indol-3-ylmethyl)-16-methyl-12,15,18-trioxo-2-thia-4,10,13,16,19-pentaaza-tricyclo[19.4.0.0*3,8*]pentacosa-1(25),3(8),4,6,21,23-hexaen-22-yl]-N-(2-dimethylamino-ethyl)-benzamide;
- 4-[(11S,14S,17S)-14-(4-Amino-butyl)-11-(3-amino-propyl)-25-chloro-17-(1H-indol-3-ylmethyl)-16-methyl-12,15,18-trioxo-2-thia-4,10,13,16,19-pentaaza-tricyclo[19.4.0.0*3,8*]pentacosa-1(25),3(8),4,6,21,23-hexaen-22-yl]-N-(2-morpholin-4-yl-ethyl)-benzamide;
- (11S,14S,17S)-14-(4-Amino-butyl)-11-(3-amino-propyl)-25-chloro-17-(1H-indol-3-ylmethyl)-16-methyl-22-(4-piperidin-4-yl-phenyl)-2-thia-4,10,13,16,19-pentaaza-tricyclo[19.4.0.0*3,8*]pentacosa-1(25),3(8),4,6,21,23-hexaene-12,15,18-trione;
- (11S,14S,17S)-11-(3-Amino-propyl)-23,25-dichloro-17-(1H-indol-3-ylmethyl)-16-methyl-14-(4-methylamino-butyl)-2-thia-4,10,13,16,19-pentaaza-tricyclo[19.4.0.0*3,8*]pentacosa-1(25),3(8),4,6,21,23-hexaene-12,15,18-trione;
- (11S,14S,17S)-14-(4-Amino-butyl)-23,25-dichloro-11-(3-hydroxy-propyl)-17-(1H-indol-3-ylmethyl)-16-methyl-2-thia-4,10,13,16,19-pentaaza-tricyclo[19.4.0.0*3,8*]pentacosa-1(25),3(8),4,6,21,23-hexaene-12,15,18-trione;

(11S,14S,17S)-11-(3-Amino-propyl)-14-butyl-23,25-dichloro-17-(1H-indol-3-ylmethyl)-16-methyl-2-thia-4,10,13,16,19-pentaaza-tricyclo[19.4.0.0*3,8*]pentacosa-1(25),3(8),4,6,21,23-hexaene-12,15,18-trione;
and pharmaceutically acceptable salts thereof.

19. The compound of formula (I) according to claim 1, wherein said compound is
4-[(11S,14S,17S)-14-(4-Amino-butyl)-11-(3-amino-propyl)-25-chloro-17-(1H-indol-3-ylmethyl)-16-methyl-12,15,18-trioxo-2-thia-4,10,13,16,19-pentaaza-tricyclo[19.4.0.0*3,8*]pentacosa-1(25),3(8),4,6,21,23-hexaen-22-yl]-benzoic acid
or a pharmaceutically acceptable salt thereof.
20. The compound according to any of claims 1 to 4 wherein the compound has a structure of formula (Ic)



wherein:

X^1 is CH;

X^4 is N or CH;

R^2 is methyl or ethyl;

R^9 is hydrogen;

R^{15} is hydrogen;

R^{17} is hydrogen;

R^{18} is hydrogen, chloro, CF_3 , phenyl or pyridinyl,

wherein phenyl is optionally substituted with one substituent selected from the

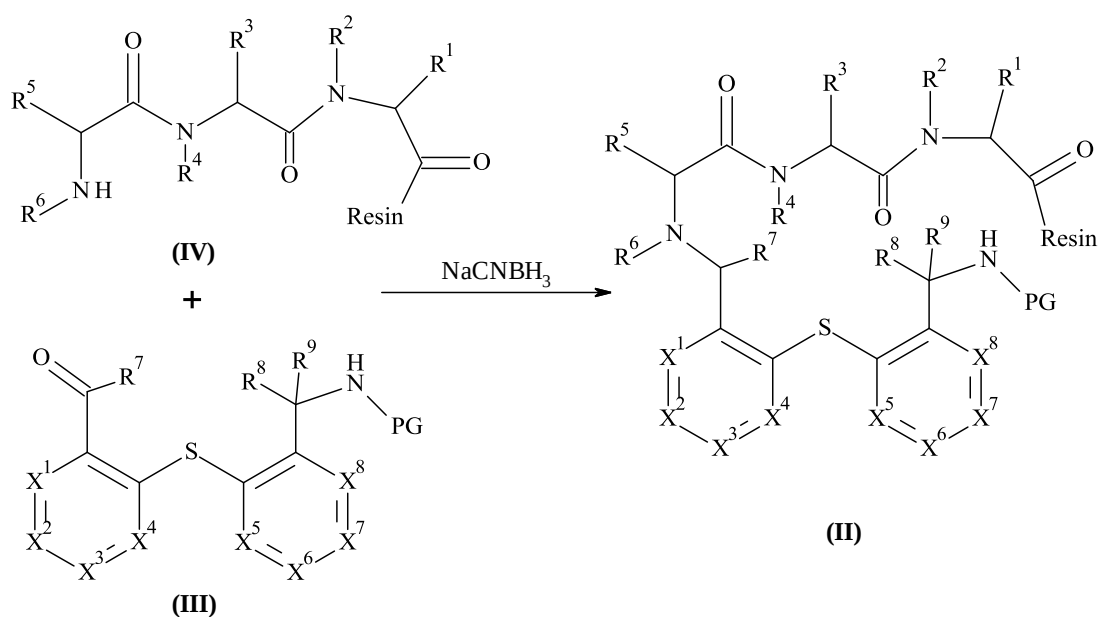
list of $-\text{CO}-\text{OH}$, $-\text{O}-\text{CH}_2-\text{CO}-\text{OH}$, $-\text{SO}_2\text{-methyl}$, $-\text{SO}_2\text{-NH}_2$, and $-\text{SO}_2\text{-NH(hydroxyethyl)}$,

and wherein heteroaryl is optionally substituted with one substituent selected from amino and hydroxy; and

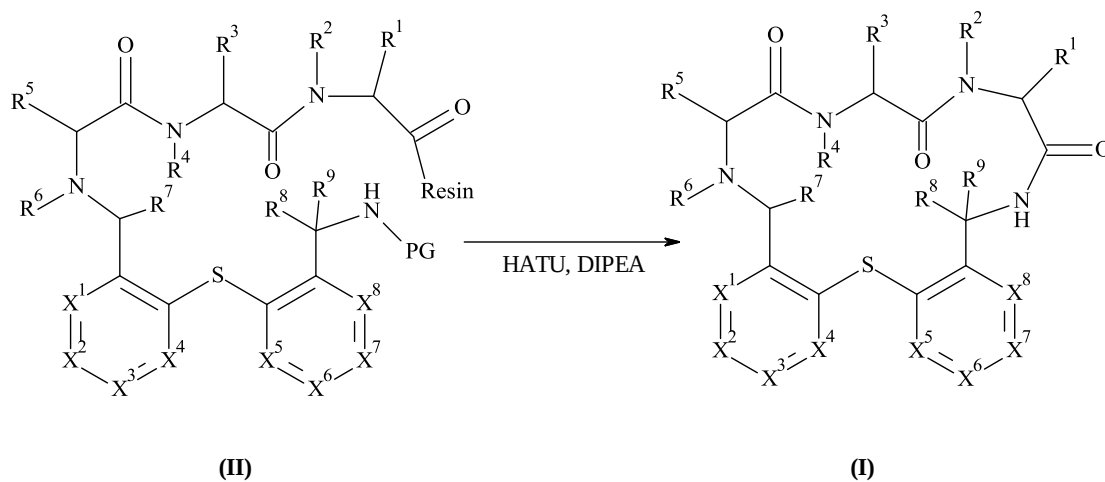
Y is $-\text{CH}_2-$ or $-\text{CO}-$; or a pharmaceutically acceptable salt thereof.

21. A process for the manufacture of a compound according to any of claims 1 to 20 comprising the steps of:

a) reacting a compound of formula (III) with a compound of formula (IV) using sodium cyanoborohydride (NaCNBH_3) to provide a compound of formula (II);



b) cleaving off the protecting group (PG) and the resin from the compound of formula (II);



c) followed by cyclisation of the cleaved compound of formula (II) using HATU and Hünig's base.

22. A pharmaceutical composition comprising a compound according to any of claims 1 to 20 or a pharmaceutically acceptable salt thereof and one or more pharmaceutically acceptable excipients.
23. A compound according to any of claims 1 to 20 or a pharmaceutically acceptable salt thereof for use as therapeutically active substance.
24. A compound according to any of claims 1 to 20 or a pharmaceutically acceptable salt thereof for use as antibiotic.
25. A compound according to any of claims 1 to 20 for the use in the treatment or prevention of infections and resulting diseases caused by *Acinetobacter baumannii*.
26. The compound for use according to claim 25, wherein said infection and resulting disease caused by *Acinetobacter baumannii* is bacteremia.
27. The compound for use according to claim 25, wherein said infection and resulting disease caused by *Acinetobacter baumannii* is pneumonia.
