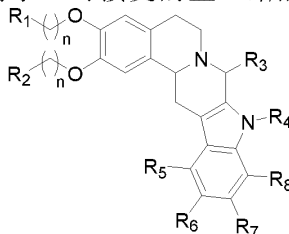


权 利 要 求

1、如式(I)所示的苯基[a]吡啶[2,3-g]并喹啉类化合物，或其对映异构体、非对映异构体、外消旋体及其混合物，其药学上可接受的盐、结晶水合物及溶剂合物，



通式(I)

其中， R_1 和 R_2 各自独立地选自下组：氢、氘、氟、卤素、取代或未取代的 C1~C6 烷基、取代或未取代的 C1~C6 烷氧基、取代或未取代的 C6~C10 芳基、取代或未取代的 5-7 元的杂环、取代或未取代的 C1~C6 烷基苯基、取代或未取代的 C1~C6 烷基 5-7 元杂芳基、取代或未取代的 C3~C12 环烷基、取代或未取代的 C2~C10 酰基、取代或未取代的 C2~C10 酯基、氨基、取代或未取代的 C1-C6 酰胺基、 $-SO_2R_9$ 、 $-OSO_2R_9$ 、 $-OCOR_9$ ；且所述的 R_1 和 R_2 不同时为氢；

或所述的 R_1 和 R_2 和相邻的 $-(CH_2)_n-O$ 以及 $C=C$ 共同构成取代或未取代的 5-7 元的杂环，其中，所述的杂环为全部饱和的杂环、部分不饱和的杂环或芳杂环；

R_3 、 R_4 各自独立地选自下组：氢、氘、氟、卤素、胺基、羟基、取代或未取代的 C1~C6 烷基、取代或未取代的 C1~C6 烷氧基、取代或未取代的 C6~C10 芳基、取代或未取代的 5-7 元的杂环、取代或未取代的 C1~C6 烷基苯基、取代或未取代的 C3~C12 环烷基、取代或未取代的 C2~C10 酰基、取代或未取代的 C2~C10 酯基、氨基、C1~C6 烷基胺基、取代或未取代的 C1-C6 酰胺基、 $-OSO_2R_9$ 、 $-CH_2OSO_2R_9$ 、 $-OCOR_9$ ；

R_5 、 R_6 、 R_7 和 R_8 各自独立地选自下组：氢、氘、氟、卤素、羟基、取代或未取代的 C1~C6 烷基、取代或未取代的 C1~C6 烷氧基、取代或未取代的 C3~C12 环烷基、氰基、硝基、羧基、巯基、 $-NR_9R_{10}$ 、 $-NCOR_9R_{10}$ 、 $-SO_2R_9$ 、 $-SO_2NR_9R_{10}$ 、 $-OSO_2R_9$ 、或 $-OCOR_9$ ；

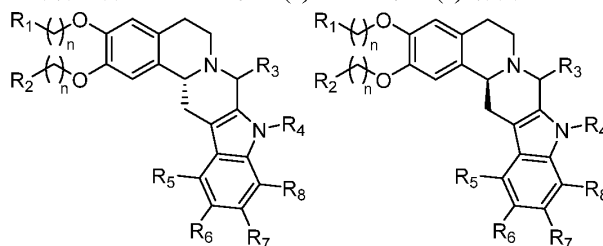
R_9 和 R_{10} 各自独立地为氢、氘、氟、卤素、未取代或由 1-3 个卤素取代的 C1-C6 的烷基、或未取代或由 1-3 个卤素取代的 C3-C6 环烷基、未取代或由 1-3 个卤素取代的 C6~C10 芳基、未取代或由 1-3 个卤素取代的 C1-C3 烷基-C6~C10 芳基、未取代或由 1-3 个卤素取代的 5-7 元杂芳基；

且当 R_3 和 R_4 同时为氢时， R_1 、 R_2 、 R_6 、 R_7 中至少一个为选自下组的基团：取代的 C6~C10 芳基、取代的 5-7 元的杂环、 $-OSO_2R_9$ ；

其中，所述的取代指基团上的一个或多个氢原子被选自下组的取代基取代：卤素、未取代或由卤素或 C3~C6 环烷基取代的 C1~C6(优选为 C1-C4)烷基、C1~C4 烷氧基、C3-C6 环烷基、C1~C4 直链或支链烷基取代的胺基、羟基、氰基、硝基、氧原子(=O)、羟基-C1~C6 烷基、羧基、巯基、未取代或被 1-3 个卤素或羟基取代的 C6~C10 芳基、未取代或被卤素取代的 5-7 元杂环、未取代或被卤素取代的 C2-C6 酰基、C1-C6 羟烷基、 $-NR_9R_{10}$ 、 $-NCOR_9R_{10}$ 、 $-SO_2R_9$ 、 $-OSO_2R_9$ 、 $-SO_2NR_9R_{10}$ 、 $-COOR_9$ 、或 $-OCOR_9$ ；

n 为 0 或 1。

2、如权利要求1所述的化合物，其对映异构体、非对映异构体、外消旋体及其混合物，以及其药学上可接受的盐、结晶水合物及溶剂合物，其特征在于，所述的苯基[a]吡啶[2,3-g]并喹啉类化合物具有以下通式 R-(I) 或通式 S-(I) 结构：



通式 R-(I)

通式 S-(I)

3、如权利要求1所述的化合物，其对映异构体、非对映异构体、外消旋体及其混合物，以及其药学上可接受的盐、结晶水合物及溶剂合物，其特征在于，所述的 R_3 为氢或取代或未取代的 C1~C6 烷基，且所述的 R_4 选自下组：取代或未取代的 C1~C6 烷基、取代或未取代的 C1~C6 烷氧基、取代或未取代的 C1~C6 烷基苯基、取代或未取代的 5-7 元的杂环、取代或未取代的 C3~C12 环烷基、取代或未取代的 C2~C10 酰基、取代或未取代的 C2~C10 酯基、 $-\text{OSO}_2\text{R}_9$ 。

4、如权利要求1所述的化合物，其对映异构体、非对映异构体、外消旋体及其混合物，以及其药学上可接受的盐、结晶水合物及溶剂合物，其特征在于，所述的 R_4 为氢，且所述的 R_3 选自下组：取代或未取代的 C6~C10 芳基、取代或未取代的 5-7 元的杂环、取代或未取代的 C1~C6 烷基苯基、取代或未取代的 C3~C12 环烷基。

5、如权利要求1所述的化合物，其对映异构体、非对映异构体、外消旋体及其混合物，以及其药学上可接受的盐、结晶水合物及溶剂合物，其特征在于，所述的 R_3 和 R_4 为氢，且

所述的 R_1 和 R_2 中至少有一个为选自下组的基团：取代或未取代的 C6~C10 芳基、取代或未取代的 5-7 元的杂环、取代或未取代的 C1~C6 烷基苯基、取代或未取代的 C1~C6 烷基 5-7 元杂芳基、取代或未取代的 C3~C12 环烷基、 $-\text{SO}_2\text{R}_9$ ；或

所述的 R_5 、 R_6 、 R_7 和 R_8 中至少有一个为选自下组的基团：取代或未取代的 C6~C10 芳基、取代或未取代的 5-7 元的杂环、取代或未取代的 C1~C6 烷基苯基、取代或未取代的 C1~C6 烷基 5-7 元杂芳基、取代或未取代的 C3~C12 环烷基、 $-\text{OSO}_2\text{R}_9$ 。

6、如权利要求1所述的化合物，其对映异构体、非对映异构体、外消旋体及其混合物，以及其药学上可接受的盐、结晶水合物及溶剂合物，其特征在于， R_1 和 R_2 各自独立地选自下组：氢、氘、氚、卤素、取代或未取代的 C1~C6 烷基，取代或未取代的 C6~C10 芳基；

或所述的 R_1 和 R_2 共同构成取代或未取代的 5-7 元的杂环，其中，所述的杂环为全部饱和的杂环、部分不饱和的杂环或芳杂环；

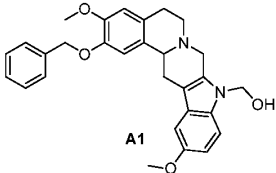
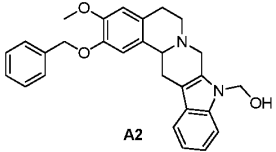
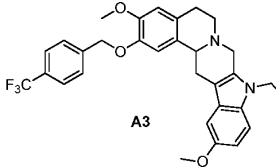
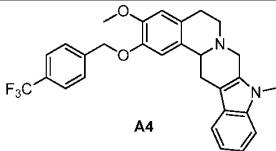
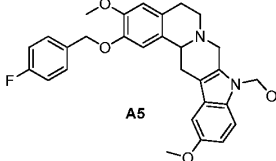
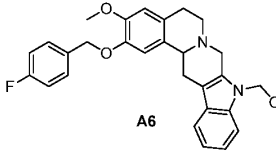
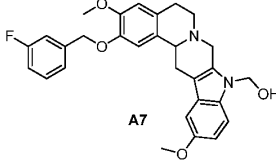
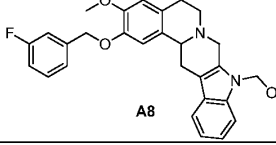
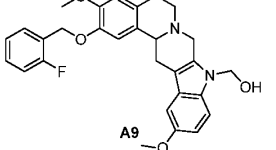
R_3 选自下组：氢、氘、氚、卤素、取代或未取代的 C6~C10 芳基、取代或未取代的 5-7 元的杂环；

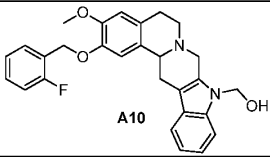
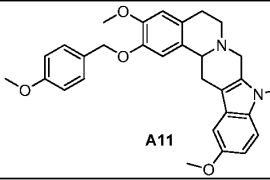
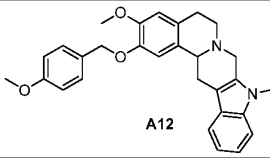
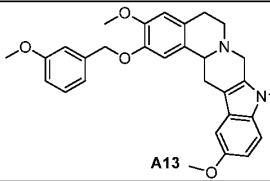
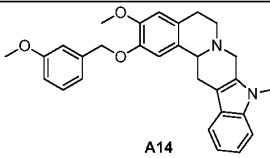
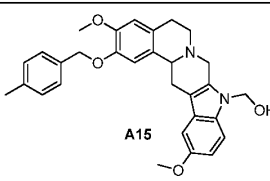
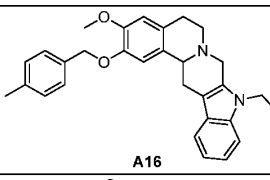
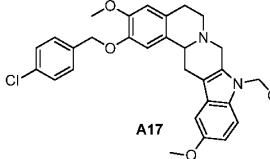
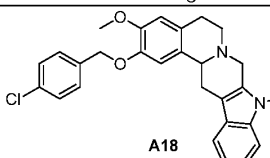
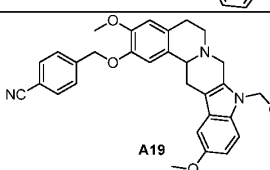
R_4 为氢、氘、氚、卤素、取代或未取代的羟基-C1~C6 烷基、取代或未取代的 C1~C6 亚烷基-C2-C6 氧基酰基、取代或未取代的 C1~C6 亚烷基-C2-C6 氧基(3-7 元碳环或杂环磺酰基)；

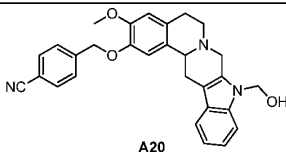
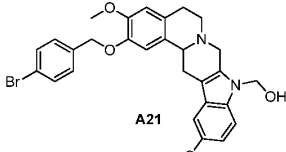
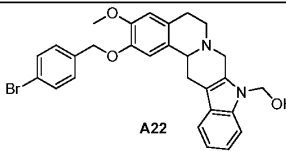
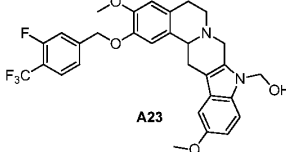
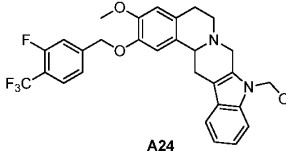
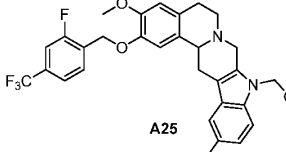
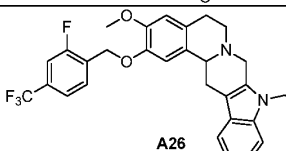
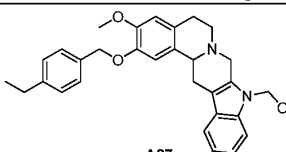
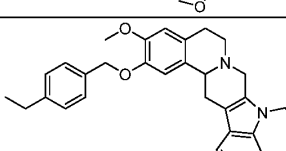
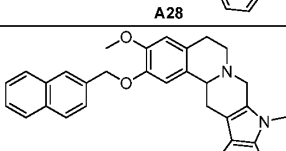
R_5 、 R_6 、 R_7 和 R_8 各自独立地为氢、氘、氚、卤素、取代或未取代的 C1-C12 烷基、取代或未取代的 C1-C12 烷氧基、取代或未取代的 C3-C6 环烷基、由 C1-C6 烷氧基取代

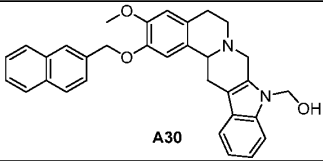
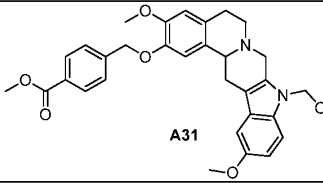
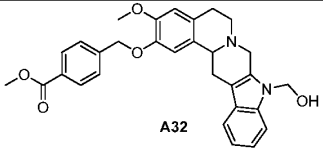
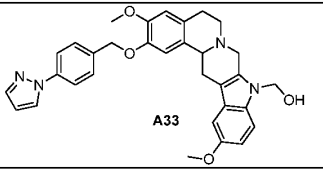
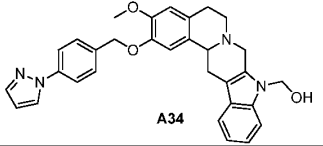
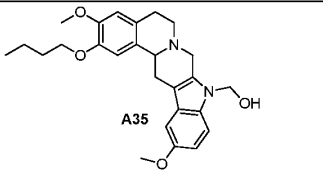
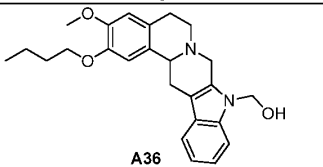
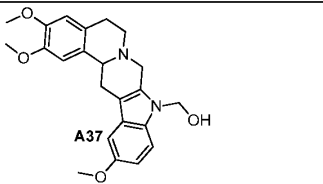
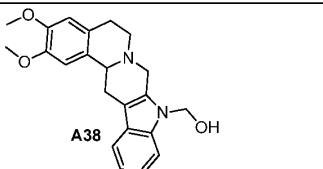
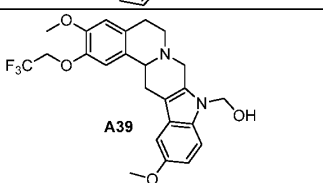
的 C1-C6 的烷基、由 C3-C6 环烷基取代的 C1-C6 的烷基、羟基、氰基、硝基、C1-C6 直链或支链的羟烷基、羧基、巯基、-NR₉R₁₀、-NCOR₉R₁₀、-SO₂R₉、-SO₂NR₉R₁₀、或 -OCOR₉。

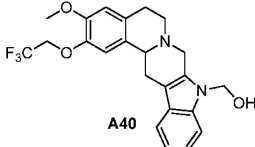
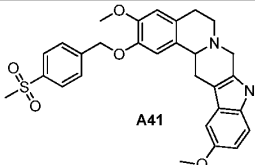
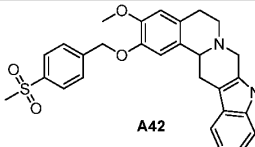
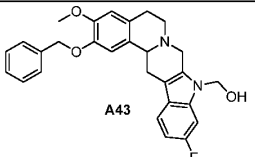
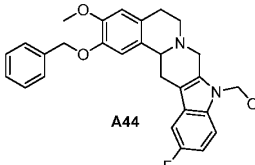
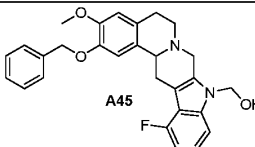
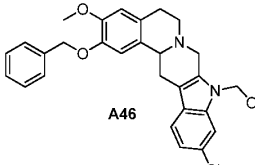
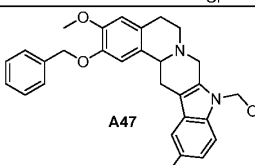
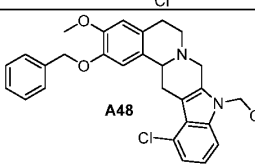
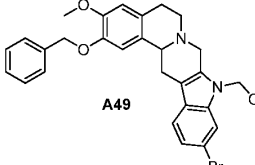
7、如权利要求 1 所述的化合物，其特征在于，所述的化合物选自下组：

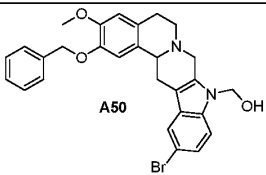
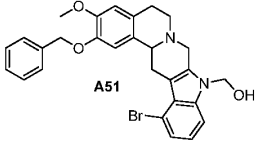
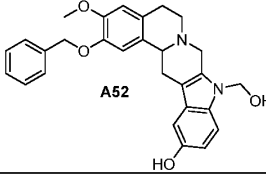
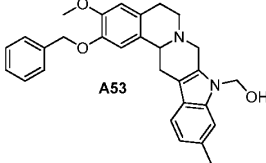
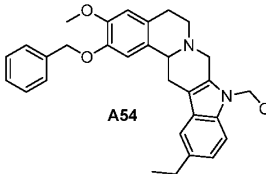
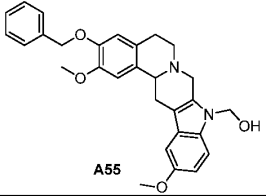
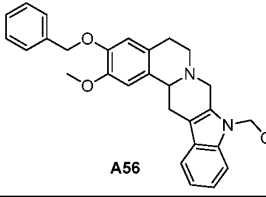
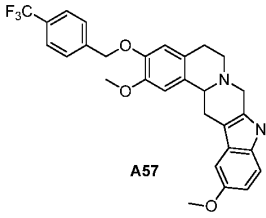
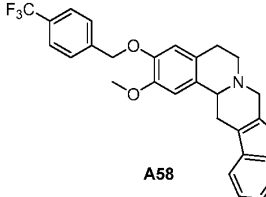
编号	中文名称	结构
A1	(2-(苄氧基)-3,12-二甲氧基-5,6,14,14a-四氢吲哚并[3',2':4,5]吡啶并[2,1-a]异喹啉-9(8H)-基)甲醇	
A2	(2-(苄氧基)-3-甲氧基-5,6,14,14a-四氢吲哚并[3',2':4,5]吡啶并[2,1-a]异喹啉-9(8H)-基)甲醇	
A3	(3,12-二甲氧基-2-((4-(三氟甲基)苯基)氧代)-5,6,14,14a-四氢吲哚并[3',2':4,5]吡啶并[2,1-a]异喹啉-9(8H)-基)甲醇	
A4	(3-甲氧基-2-((4-(三氟甲基)苯基)氧代)-5,6,14,14a-四氢吲哚并[3',2':4,5]吡啶并[2,1-a]异喹啉-9(8H)-基)甲醇	
A5	(2-((4-氟苯基)氧代)-3,12-二甲氧基-5,6,14,14a-四氢吲哚并[3',2':4,5]吡啶并[2,1-a]异喹啉-9(8H)-基)甲醇	
A6	(2-((4-氟苯基)氧代)-3-甲氧基-5,6,14,14a-四氢吲哚并[3',2':4,5]吡啶并[2,1-a]异喹啉-9(8H)-基)甲醇	
A7	(2-((3-氟苯基)氧代)-3,12-二甲氧基-5,6,14,14a-四氢吲哚并[3',2':4,5]吡啶并[2,1-a]异喹啉-9(8H)-基)甲醇	
A8	(2-((3-氟苯基)氧代)-3-甲氧基-5,6,14,14a-四氢吲哚并[3',2':4,5]吡啶并[2,1-a]异喹啉-9(8H)-基)甲醇	
A9	(2-((2-氟苯基)氧代)-3,12-二甲氧基-5,6,14,14a-四氢吲哚并[3',2':4,5]吡啶并[2,1-a]异喹啉-9(8H)-基)甲醇	

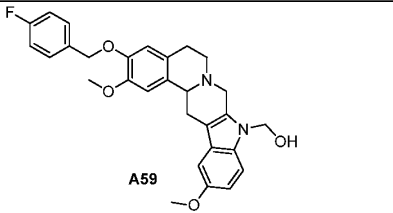
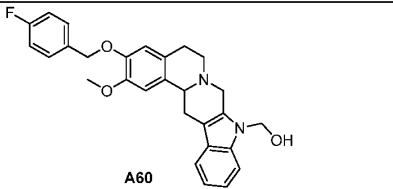
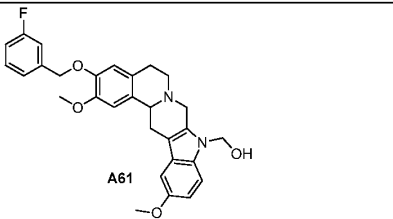
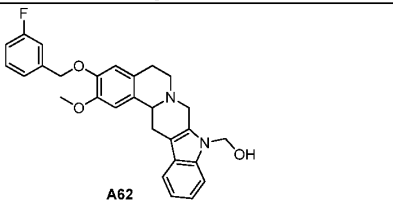
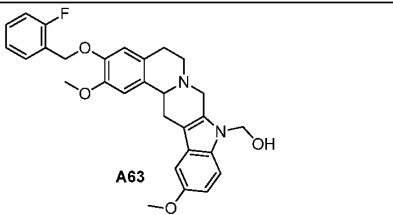
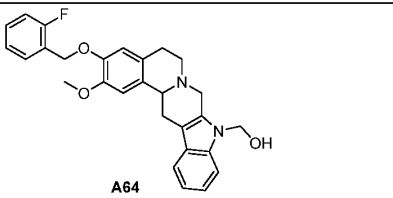
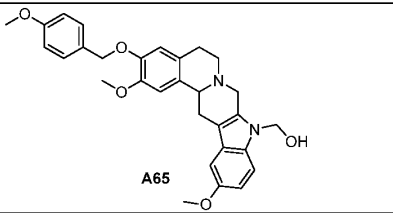
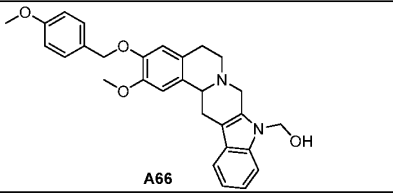
A10	(2-((2-氟苯甲基)氧代)-3-甲氧基-5,6,14,14a-四氢吲哚并[3',2':4,5]吡啶并[2,1-a]异喹啉-9(8H)-基)甲醇	
A11	(3,12-二甲氧基-2-((4-甲氧苄基)氧代)-5,6,14,14a-四氢吲哚并[3',2':4,5]吡啶并[2,1-a]异喹啉-9(8H)-基)甲醇	
A12	(3-甲氧基-2-((4-甲氧苄基)氧代)-5,6,14,14a-四氢吲哚并[3',2':4,5]吡啶并[2,1-a]异喹啉-9(8H)-基)甲醇	
A13	(3,12-二甲氧基-2-((3-甲氧苄基)氧代)-5,6,14,14a-四氢吲哚并[3',2':4,5]吡啶并[2,1-a]异喹啉-9(8H)-基)甲醇	
A14	(3-甲氧基-2-((3-甲氧苄基)氧代)-5,6,14,14a-四氢吲哚并[3',2':4,5]吡啶并[2,1-a]异喹啉-9(8H)-基)甲醇	
A15	(3,12-二甲氧基-2-((4-甲基苄基)氧代)-5,6,14,14a-四氢吲哚并[3',2':4,5]吡啶并[2,1-a]异喹啉-9(8H)-基)甲醇	
A16	(3-甲氧基-2-((4-甲基苄基)氧代)-5,6,14,14a-四氢吲哚并[3',2':4,5]吡啶并[2,1-a]异喹啉-9(8H)-基)甲醇	
A17	(2-((4-氯苄基)氧代)-3,12-二甲氧基-5,6,14,14a-四氢吲哚并[3',2':4,5]吡啶并[2,1-a]异喹啉-9(8H)-基)甲醇	
A18	(2-((4-氯苄基)氧代)-3-甲氧基-5,6,14,14a-四氢吲哚并[3',2':4,5]吡啶并[2,1-a]异喹啉-9(8H)-基)甲醇	
A19	4-(((9-(羟甲基)-3,12-二甲氧基-5,6,8,9,14,14a-六氢吲哚并[3',2':4,5]吡啶并[2,1-a]异喹啉-2-基)氧代)甲基)苯甲腈	

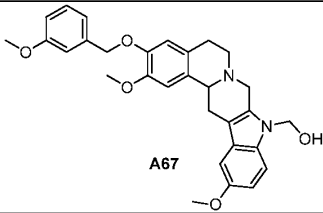
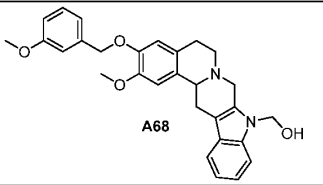
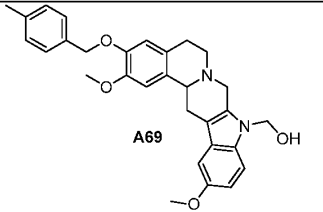
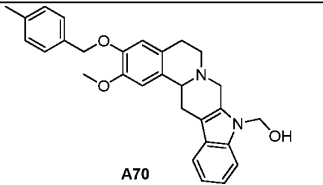
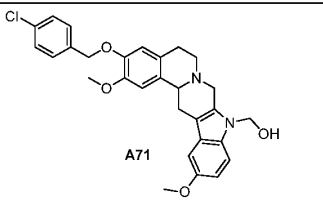
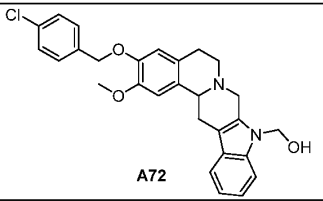
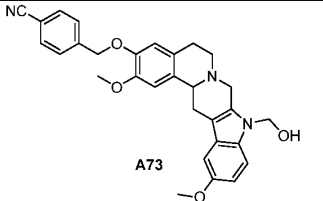
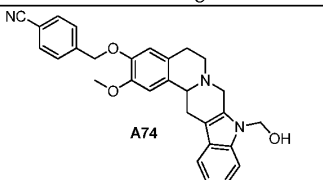
A20	4-(((9-(羟甲基)-3-甲氧基-5,6,8,9,14,14a-六氢吲哚并[3',2':4,5]吡啶并[2,1-a]异喹啉-2-基)氧代)甲基)苯甲腈	
A21	(2-((4-溴苯基)氧代)-3,12-二甲氧基-5,6,14,14a-四氢吲哚并[3',2':4,5]吡啶并[2,1-a]异喹啉-9(8H)-基)甲醇	
A22	(2-((4-溴苯基)氧代)-3-甲氧基-5,6,14,14a-四氢吲哚并[3',2':4,5]吡啶并[2,1-a]异喹啉-9(8H)-基)甲醇	
A23	(2-((3-氟-4-(三氟甲基)苯基)氧代)-3,12-二甲氧基-5,6,14,14a-四氢吲哚并[3',2':4,5]吡啶并[2,1-a]异喹啉-9(8H)-基)甲醇	
A24	(2-((3-氟-4-(三氟甲基)苯基)氧代)-3-甲氧基-5,6,14,14a-四氢吲哚并[3',2':4,5]吡啶并[2,1-a]异喹啉-9(8H)-基)甲醇	
A25	(2-((2-氟-4-(三氟甲基)苯基)氧代)-3,12-二甲氧基-5,6,14,14a-四氢吲哚并[3',2':4,5]吡啶并[2,1-a]异喹啉-9(8H)-基)甲醇	
A26	(2-((2-氟-4-(三氟甲基)苯基)氧代)-3-甲氧基-5,6,14,14a-四氢吲哚并[3',2':4,5]吡啶并[2,1-a]异喹啉-9(8H)-基)甲醇	
A27	(3,12-二甲氧基-2-((4-乙基苯基)氧代)-5,6,14,14a-四氢吲哚并[3',2':4,5]吡啶并[2,1-a]异喹啉-9(8H)-基)甲醇	
A28	(3-甲氧基-2-((4-乙基苯基)氧代)-5,6,14,14a-四氢吲哚并[3',2':4,5]吡啶并[2,1-a]异喹啉-9(8H)-基)甲醇	
A29	(3,12-二甲氧基-2-(萘-2-基甲氧基)-5,6,14,14a-四氢吲哚并[3',2':4,5]吡啶并[2,1-a]异喹啉-9(8H)-基)甲醇	

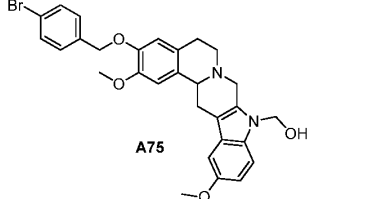
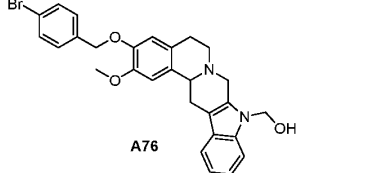
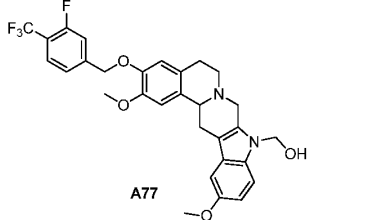
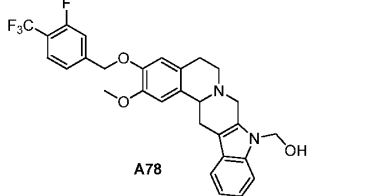
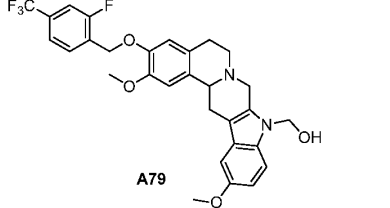
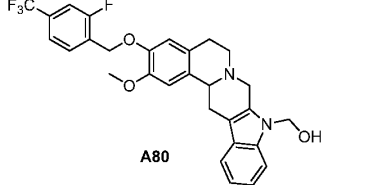
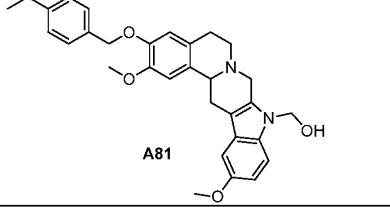
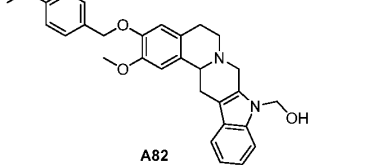
A30	(3-甲氧基-2-(萘-2-基甲氧基)-5,6,14,14a-四氢吲哚并[3',2':4,5]吡啶并[2,1-a]异喹啉-9(8H)-基)甲醇	
A31	4-(((9-(羟甲基)-3,12-二甲氧基-5,6,8,9,14,14a-六氢吲哚并[3',2':4,5]吡啶并[2,1-a]异喹啉-2-基)氧代)甲基)苯甲酸酯	
A32	4-(((9-(羟甲基)-3-甲氧基-5,6,8,9,14,14a-六氢吲哚并[3',2':4,5]吡啶并[2,1-a]异喹啉-2-基)氧代)甲基)苯甲酸酯	
A33	(2-((4-(1H-吡唑-1-基)苯基)氧代)-3,12-二甲氧基-5,6,14,14a-四氢吲哚并[3',2':4,5]吡啶并[2,1-a]异喹啉-9(8H)-基)甲醇	
A34	(2-((4-(1H-吡唑-1-基)苯基)氧代)-3-甲氧基-5,6,14,14a-四氢吲哚并[3',2':4,5]吡啶并[2,1-a]异喹啉-9(8H)-基)甲醇	
A35	(2-丁氧基-3,12-二甲氧基-5,6,14,14a-四氢吲哚并[3',2':4,5]吡啶并[2,1-a]异喹啉-9(8H)-基)甲醇	
A36	(2-丁氧基-3-甲氧基-5,6,14,14a-四氢吲哚并[3',2':4,5]吡啶并[2,1-a]异喹啉-9(8H)-基)甲醇	
A37	(2,3,12-三甲氧基-5,6,14,14a-四氢吲哚并[3',2':4,5]吡啶并[2,1-a]异喹啉-9(8H)-基)甲醇	
A38	(2,3-二甲氧基-5,6,14,14a-四氢吲哚并[3',2':4,5]吡啶并[2,1-a]异喹啉-9(8H)-基)甲醇	
A39	(3,12-二甲氧基-2-(2,2,2-三氟乙氧基)-5,6,14,14a-四氢吲哚并[3',2':4,5]吡啶并[2,1-a]异喹啉-9(8H)-基)甲醇	

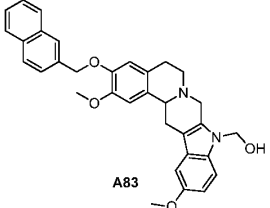
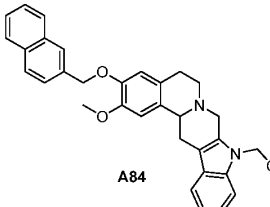
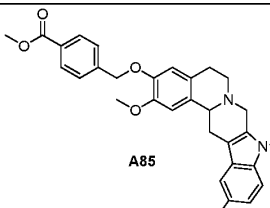
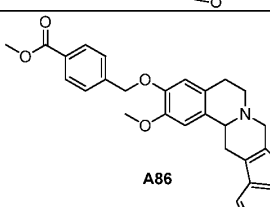
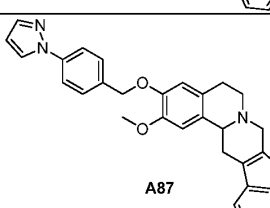
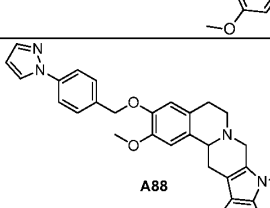
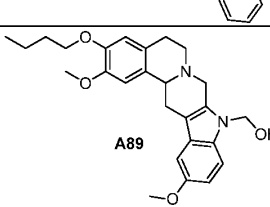
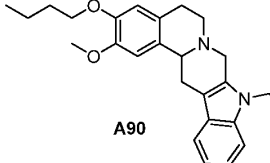
A40	(3-甲氧基-2-(2,2,2-三氟乙氧基)-5,6,14,14a-四氢吡啶并[3',2':4,5]吡啶并[2,1-a]异喹啉-9(8H)-基)甲醇	
A41	(3,12-二甲氧基-2-((4-(甲磺酰)苯基)氧代)-5,6,14,14a-四氢吡啶并[3',2':4,5]吡啶并[2,1-a]异喹啉-9(8H)-基)甲醇	
A42	(3-甲氧基-2-((4-(甲磺酰)苯基)氧代)-5,6,14,14a-四氢吡啶并[3',2':4,5]吡啶并[2,1-a]异喹啉-9(8H)-基)甲醇	
A43	(2-(苄氧基)-11-氟-3-甲氧基-5,6,14,14a-四氢吡啶并[3',2':4,5]吡啶并[2,1-a]异喹啉-9(8H)-基)甲醇	
A44	(2-(苄氧基)-12-氟-3-甲氧基-5,6,14,14a-四氢吡啶并[3',2':4,5]吡啶并[2,1-a]异喹啉-9(8H)-基)甲醇	
A45	(2-(苄氧基)-13-氟-3-甲氧基-5,6,14,14a-四氢吡啶并[3',2':4,5]吡啶并[2,1-a]异喹啉-9(8H)-基)甲醇	
A46	(2-(苄氧基)-11-氯-3-甲氧基-5,6,14,14a-四氢吡啶并[3',2':4,5]吡啶并[2,1-a]异喹啉-9(8H)-基)甲醇	
A47	(2-(苄氧基)-12-氯-3-甲氧基-5,6,14,14a-四氢吡啶并[3',2':4,5]吡啶并[2,1-a]异喹啉-9(8H)-基)甲醇	
A48	(2-(苄氧基)-13-氯-3-甲氧基-5,6,14,14a-四氢吡啶并[3',2':4,5]吡啶并[2,1-a]异喹啉-9(8H)-基)甲醇	
A49	(2-(苄氧基)-11-溴-3-甲氧基-5,6,14,14a-四氢吡啶并[3',2':4,5]吡啶并[2,1-a]异喹啉-9(8H)-基)甲醇	

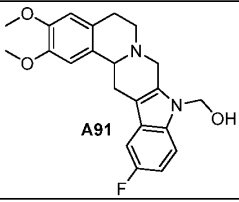
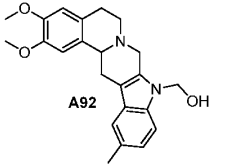
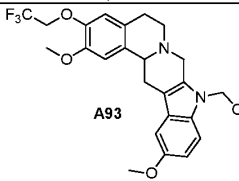
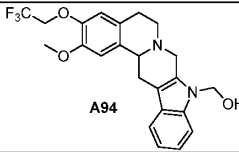
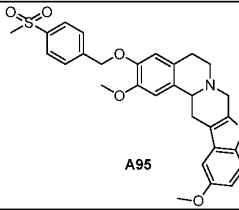
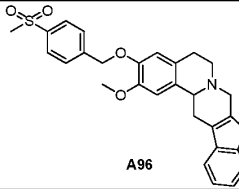
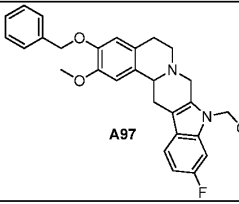
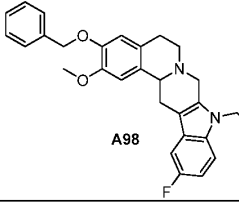
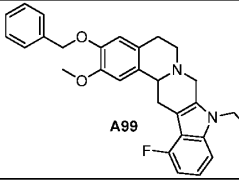
A50	(2-(苄氧基)-12-溴-3-甲氧基-5,6,14,14a-四氢吲哚并[3',2':4,5]吡啶并[2,1-a]异喹啉-9(8H)-基)甲醇	
A51	(2-(苄氧基)-13-溴-3-甲氧基-5,6,14,14a-四氢吲哚并[3',2':4,5]吡啶并[2,1-a]异喹啉-9(8H)-基)甲醇	
A52	2-(苄氧基)-9-(羟甲基)-3-甲氧基-5,6,8,9,14,14a-六氢吲哚并[3',2':4,5]吡啶并[2,1-a]异喹啉-12-酚	
A53	(2-(苄氧基)-3-甲氧基-11-甲基-5,6,14,14a-四氢吲哚并[3',2':4,5]吡啶并[2,1-a]异喹啉-9(8H)-基)甲醇	
A54	(2-(苄氧基)-12-乙基-3-甲氧基-5,6,14,14a-四氢吲哚并[3',2':4,5]吡啶并[2,1-a]异喹啉-9(8H)-基)甲醇	
A55	(3-(苄氧基)-2,12-二甲氧基-5,6,14,14a-四氢吲哚并[3',2':4,5]吡啶并[2,1-a]异喹啉-9(8H)-基)甲醇	
A56	(3-(苄氧基)-2-甲氧基-5,6,14,14a-四氢吲哚并[3',2':4,5]吡啶并[2,1-a]异喹啉-9(8H)-基)甲醇	
A57	(2,12-二甲氧基-3-((4-(三氟甲基)苯基)氧代)-5,6,14,14a-四氢吲哚并[3',2':4,5]吡啶并[2,1-a]异喹啉-9(8H)-基)甲醇	
A58	(2-甲氧基-3-((4-(三氟甲基)苯基)氧代)-5,6,14,14a-四氢吲哚并[3',2':4,5]吡啶并[2,1-a]异喹啉-9(8H)-基)甲醇	

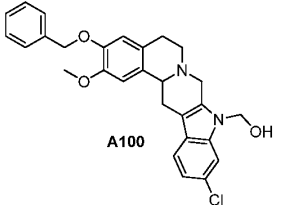
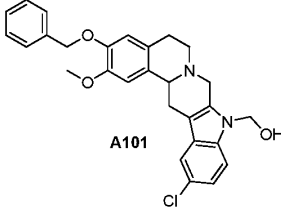
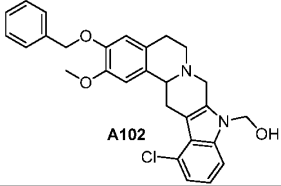
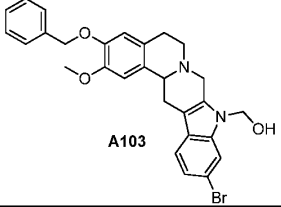
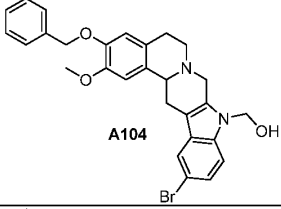
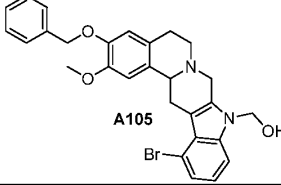
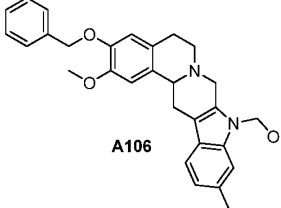
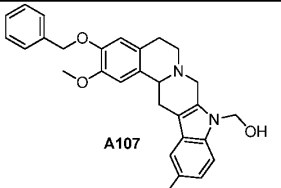
A59	(3-((4-氟苯基)氧代)-2,12-二甲氧基-5,6,14,14a-四氢吲哚并[3',2':4,5]吡啶并[2,1-a]异喹啉-9(8H)-基)甲醇	
A60	(3-((4-氟苯基)氧代)-2-甲氧基-5,6,14,14a-四氢吲哚并[3',2':4,5]吡啶并[2,1-a]异喹啉-9(8H)-基)甲醇	
A61	(3-((3-氟苯基)氧代)-2,12-二甲氧基-5,6,14,14a-四氢吲哚并[3',2':4,5]吡啶并[2,1-a]异喹啉-9(8H)-基)甲醇	
A62	(3-((3-氟苯基)氧代)-2-甲氧基-5,6,14,14a-四氢吲哚并[3',2':4,5]吡啶并[2,1-a]异喹啉-9(8H)-基)甲醇	
A63	(3-((2-氟苯基)氧代)-2,12-二甲氧基-5,6,14,14a-四氢吲哚并[3',2':4,5]吡啶并[2,1-a]异喹啉-9(8H)-基)甲醇	
A64	(3-((2-氟苯基)氧代)-2-二甲氧基-5,6,14,14a-四氢吲哚并[3',2':4,5]吡啶并[2,1-a]异喹啉-9(8H)-基)甲醇	
A65	(2,12-二甲氧基-3-((4-甲氧苄基)氧代)-5,6,14,14a-四氢吲哚并[3',2':4,5]吡啶并[2,1-a]异喹啉-9(8H)-基)甲醇	
A66	(2-甲氧基-3-((4-甲氧苄基)氧代)-5,6,14,14a-四氢吲哚并[3',2':4,5]吡啶并[2,1-a]异喹啉-9(8H)-基)甲醇	

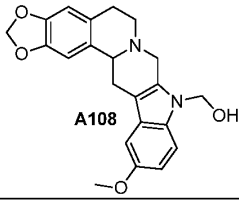
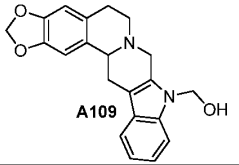
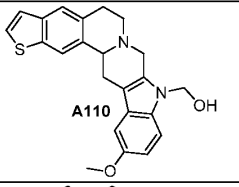
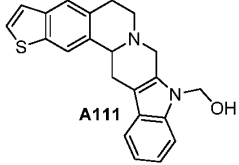
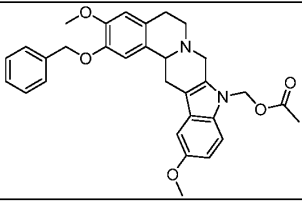
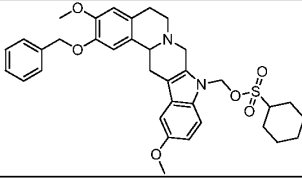
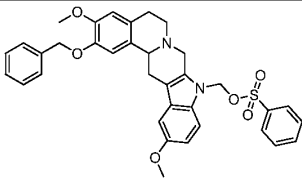
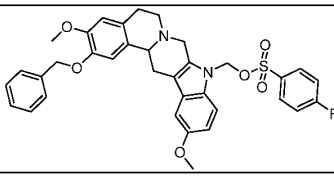
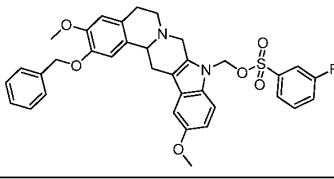
A67	(2,12-二甲氧基-3-((3-甲氧苄基)氧代)-5,6,14,14a-四氢吡啶并[3',2':4,5]吡啶并[2,1-a]异喹啉-9(8H)-基)甲醇	
A68	(2-甲氧基-3-((3-甲氧苄基)氧代)-5,6,14,14a-四氢吡啶并[3',2':4,5]吡啶并[2,1-a]异喹啉-9(8H)-基)甲醇	
A69	(2,12-二甲氧基-3-((4-甲基苄基)氧代)-5,6,14,14a-四氢吡啶并[3',2':4,5]吡啶并[2,1-a]异喹啉-9(8H)-基)甲醇	
A70	(2-甲氧基-3-((4-甲基苄基)氧代)-5,6,14,14a-四氢吡啶并[3',2':4,5]吡啶并[2,1-a]异喹啉-9(8H)-基)甲醇	
A71	(3-((4-氯苄基)氧代)-2,12-二甲氧基-5,6,14,14a-四氢吡啶并[3',2':4,5]吡啶并[2,1-a]异喹啉-9(8H)-基)甲醇	
A72	(3-((4-氯苄基)氧代)-2-甲氧基-5,6,14,14a-四氢吡啶并[3',2':4,5]吡啶并[2,1-a]异喹啉-9(8H)-基)甲醇	
A73	4-(((9-(羟甲基)-2,12-二甲氧基-5,6,8,9,14,14a-六氢吡啶并[3',2':4,5]吡啶并[2,1-a]异喹啉-3-基)氧代)甲基)苯甲腈	
A74	4-(((9-(羟甲基)-2-甲氧基-5,6,8,9,14,14a-六氢吡啶并[3',2':4,5]吡啶并[2,1-a]异喹啉-3-基)氧代)甲基)苯甲腈	

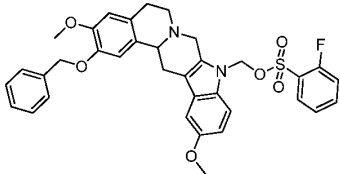
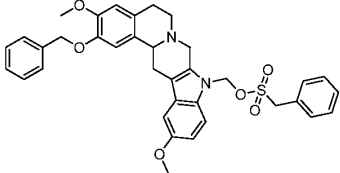
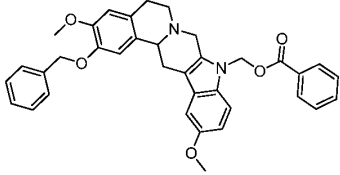
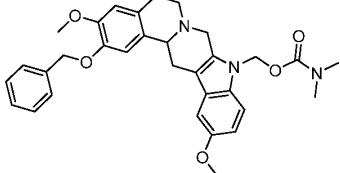
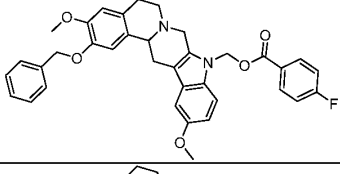
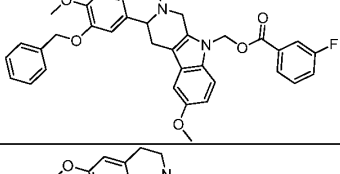
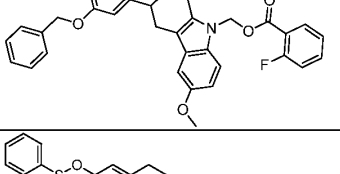
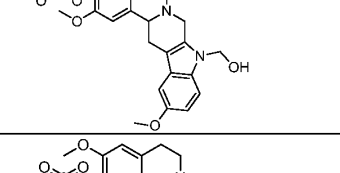
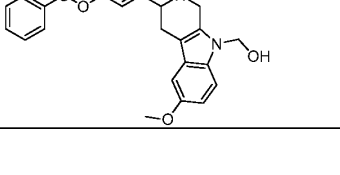
A75	(3-((4-溴苯基)氧代)-2,12-二甲氧基-5,6,14,14a-四氢吲哚并[3',2':4,5]吡啶并[2,1-a]异喹啉-9(8H)-基)甲醇	
A76	(3-((4-碘苯基)氧代)-2-甲氧基-5,6,14,14a-四氢吲哚并[3',2':4,5]吡啶并[2,1-a]异喹啉-9(8H)-基)甲醇	
A77	(3-((3-氟-4-(三氟甲基)苯基)氧代)-2,12-二甲氧基-5,6,14,14a-四氢吲哚并[3',2':4,5]吡啶并[2,1-a]异喹啉-9(8H)-基)甲醇	
A78	(3-((3-氟-4-(三氟甲基)苯基)氧代)-2-甲氧基-5,6,14,14a-四氢吲哚并[3',2':4,5]吡啶并[2,1-a]异喹啉-9(8H)-基)甲醇	
A79	(3-((2-氟-4-(三氟甲基)苯基)氧代)-2,12-二甲氧基-5,6,14,14a-四氢吲哚并[3',2':4,5]吡啶并[2,1-a]异喹啉-9(8H)-基)甲醇	
A80	(3-((2-氟-4-(三氟甲基)苯基)氧代)-2-甲氧基-5,6,14,14a-四氢吲哚并[3',2':4,5]吡啶并[2,1-a]异喹啉-9(8H)-基)甲醇	
A81	(2,12-二甲氧基-3-((4-乙基苯基)氧代)-5,6,14,14a-四氢吲哚并[3',2':4,5]吡啶并[2,1-a]异喹啉-9(8H)-基)甲醇	
A82	(2-甲氧基-3-((4-乙基苯基)氧代)-5,6,14,14a-四氢吲哚并[3',2':4,5]吡啶并[2,1-a]异喹啉-9(8H)-基)甲醇	

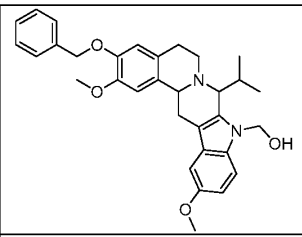
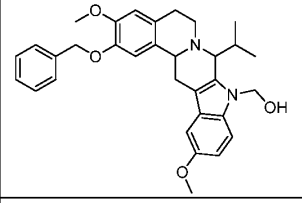
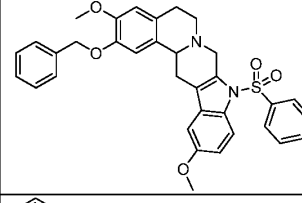
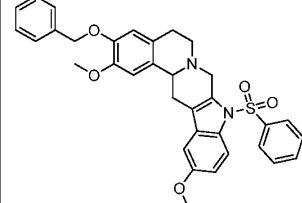
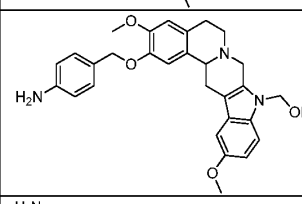
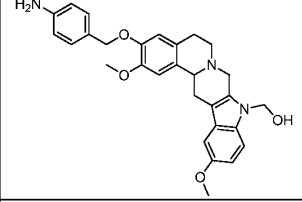
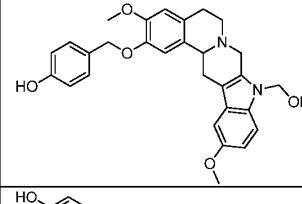
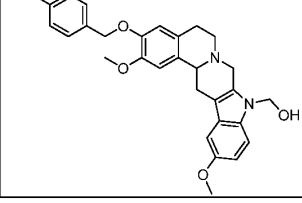
A83	(2,12-二甲氧基-3-(萘-2-基甲氧基)-5,6,14,14a-四氢吲哚并[3',2':4,5]吡啶并[2,1-a]异喹啉-9(8H)-基)甲醇	
A84	(2-甲氧基-3-(萘-2-基甲氧基)-5,6,14,14a-四氢吲哚并[3',2':4,5]吡啶并[2,1-a]异喹啉-9(8H)-基)甲醇	
A85	4-(((9-(羟甲基)-2,12-二甲氧基-5,6,8,9,14,14a-六氢吲哚并[3',2':4,5]吡啶并[2,1-a]异喹啉-3-基)氧代)甲基)苯甲酸酯	
A86	4-(((9-(羟甲基)-2-甲氧基-5,6,8,9,14,14a-六氢吲哚并[3',2':4,5]吡啶并[2,1-a]异喹啉-3-基)氧代)甲基)苯甲酸酯	
A87	(3-((4-(1H-吡唑-1-基)苯基)氧代)-2,12-二甲氧基-5,6,14,14a-四氢吲哚并[3',2':4,5]吡啶并[2,1-a]异喹啉-9(8H)-基)甲醇	
A88	(3-((4-(1H-吡唑-1-基)苯基)氧代)-2-甲氧基-5,6,14,14a-四氢吲哚并[3',2':4,5]吡啶并[2,1-a]异喹啉-9(8H)-基)甲醇	
A89	(3-丁氧基-2,12-二甲氧基-5,6,14,14a-四氢吲哚并[3',2':4,5]吡啶并[2,1-a]异喹啉-9(8H)-基)甲醇	
A90	(3-丁氧基-2-甲氧基-5,6,14,14a-四氢吲哚并[3',2':4,5]吡啶并[2,1-a]异喹啉-9(8H)-基)甲醇	

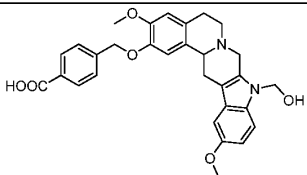
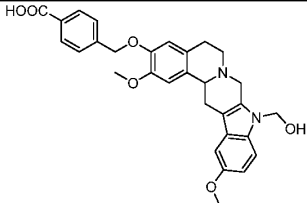
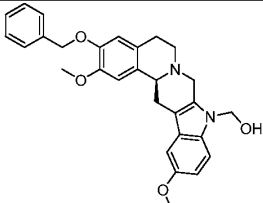
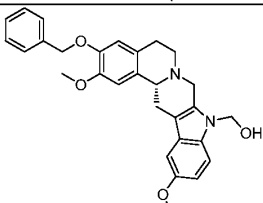
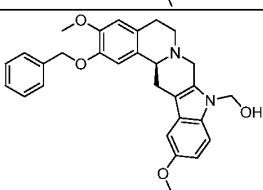
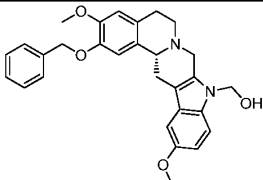
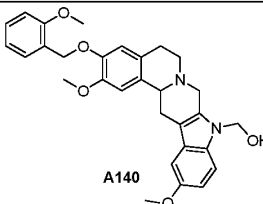
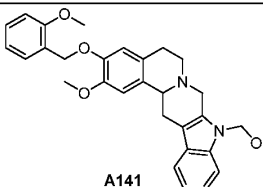
A91	(12-氟-2,3-二甲氧基-5,6,14,14a-四氢吡啶并[3',2':4,5]吡啶并[2,1-a]异喹啉-9(8H)-基)甲醇	
A92	(12-甲基-2,3-二甲氧基-5,6,14,14a-四氢吡啶并[3',2':4,5]吡啶并[2,1-a]异喹啉-9(8H)-基)甲醇	
A93	(2,12-二甲氧基-3-(2,2,2-三氟乙氧基)-5,6,14,14a-四氢吡啶并[3',2':4,5]吡啶并[2,1-a]异喹啉-9(8H)-基)甲醇	
A94	(2-甲氧基-3-(2,2,2-三氟乙氧基)-5,6,14,14a-四氢吡啶并[3',2':4,5]吡啶并[2,1-a]异喹啉-9(8H)-基)甲醇	
A95	(2,12-二甲氧基-3-((4-(甲磺酰)苯基)氧代)-5,6,14,14a-四氢吡啶并[3',2':4,5]吡啶并[2,1-a]异喹啉-9(8H)-基)甲醇	
A96	(2-甲氧基-3-((4-(甲磺酰)苯基)氧代)-5,6,14,14a-四氢吡啶并[3',2':4,5]吡啶并[2,1-a]异喹啉-9(8H)-基)甲醇	
A97	(3-(苄氧基)-11-氟-2-甲氧基-5,6,14,14a-四氢吡啶并[3',2':4,5]吡啶并[2,1-a]异喹啉-9(8H)-基)甲醇	
A98	(3-(苄氧基)-12-氟-2-甲氧基-5,6,14,14a-四氢吡啶并[3',2':4,5]吡啶并[2,1-a]异喹啉-9(8H)-基)甲醇	
A99	(3-(苄氧基)-13-氟-2-甲氧基-5,6,14,14a-四氢吡啶并[3',2':4,5]吡啶并[2,1-a]异喹啉-9(8H)-基)甲醇	

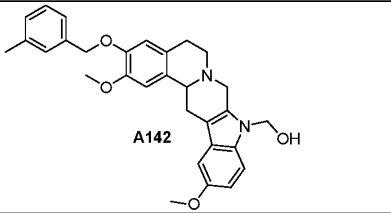
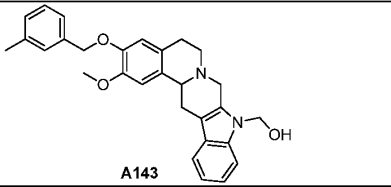
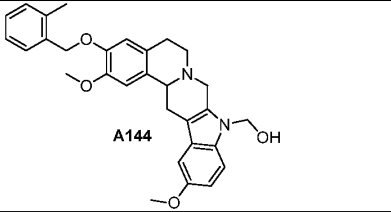
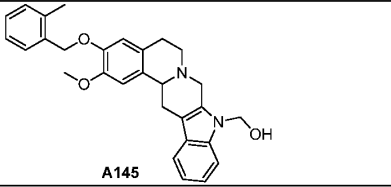
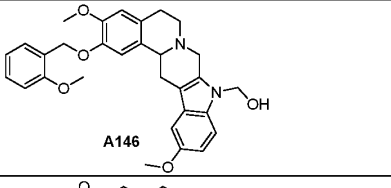
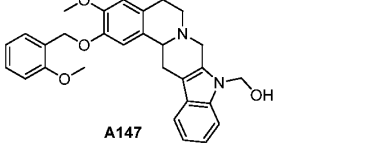
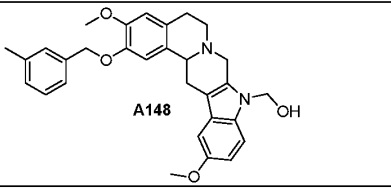
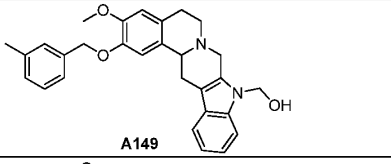
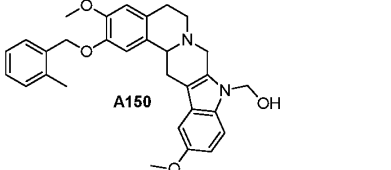
A100	(3-(苄氧基)-11-氯-2-甲氧基-5,6,14,14a-四氢吲哚并[3',2':4,5]吡啶并[2,1-a]异喹啉-9(8H)-基)甲醇	
A101	(3-(苄氧基)-12-氯-2-甲氧基-5,6,14,14a-四氢吲哚并[3',2':4,5]吡啶并[2,1-a]异喹啉-9(8H)-基)甲醇	
A102	(3-(苄氧基)-13-氯-2-甲氧基-5,6,14,14a-四氢吲哚并[3',2':4,5]吡啶并[2,1-a]异喹啉-9(8H)-基)甲醇	
A103	(3-(苄氧基)-11-溴-2-甲氧基-5,6,14,14a-四氢吲哚并[3',2':4,5]吡啶并[2,1-a]异喹啉-9(8H)-基)甲醇	
A104	(3-(苄氧基)-12-溴-2-甲氧基-5,6,14,14a-四氢吲哚并[3',2':4,5]吡啶并[2,1-a]异喹啉-9(8H)-基)甲醇	
A105	(3-(苄氧基)-13-溴-2-甲氧基-5,6,14,14a-四氢吲哚并[3',2':4,5]吡啶并[2,1-a]异喹啉-9(8H)-基)甲醇	
A106	(3-(苄氧基)-11-甲基-5,6,14,14a-四氢吲哚并[3',2':4,5]吡啶并[2,1-a]异喹啉-9(8H)-基)甲醇	
A107	(3-(苄氧基)-12-乙基-5,6,14,14a-四氢吲哚并[3',2':4,5]吡啶并[2,1-a]异喹啉-9(8H)-基)甲醇	

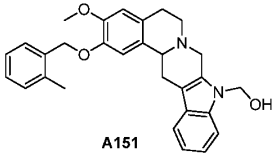
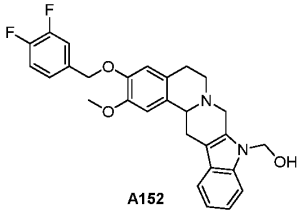
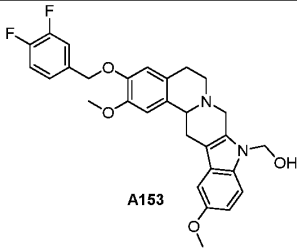
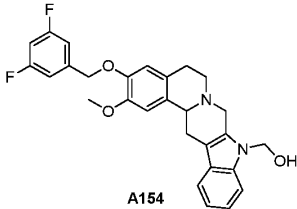
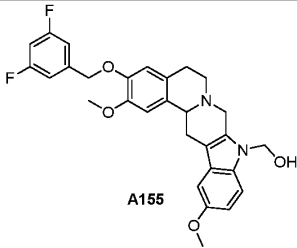
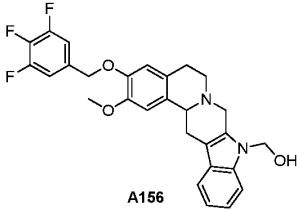
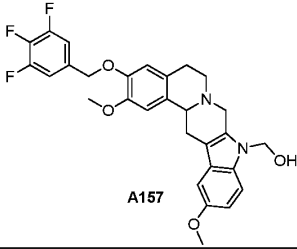
A108	(12-甲氧基-5,6,14,14a-四氢-[1,3]二噁唑并[4,5-g]吡啶并[3',2':4,5]吡啶并[2,1-a]异喹啉-9(8H)-基)甲醇	
A109	(5,6,14,14a-四氢-[1,3]二噁唑并[4,5-g]吡啶并[3',2':4,5]吡啶并[2,1-a]异喹啉-9(8H)-基)甲醇	
A110	(12-甲氧基-5,6,14,14a-四氢-[1,3]二噁唑并[4,5-g]吡啶并[3',2':4,5]吡啶并[2,1-a]异喹啉-9(8H)-基)甲醇	
A111	(5,6,14,14a-四氢-[1,3]二噁唑并[4,5-g]吡啶并[3',2':4,5]吡啶并[2,1-a]异喹啉-9(8H)-基)甲醇	
A112	(2-(苄氧基)-3,12-二甲氧基-5,6,14,14a-四氢吡啶并[3',2':4,5]吡啶并[2,1-a]异喹啉-9(8H)-基)乙酸甲酯	
A113	(2-(苄氧基)-3,12-二甲氧基-5,6,14,14a-四氢吡啶并[3',2':4,5]吡啶并[2,1-a]异喹啉-9(8H)-基)环己基磺酸甲酯	
A114	(2-(苄氧基)-3,12-二甲氧基-5,6,14,14a-四氢吡啶并[3',2':4,5]吡啶并[2,1-a]异喹啉-9(8H)-基)苯磺酸甲酯	
A115	(2-(苄氧基)-3,12-二甲氧基-5,6,14,14a-四氢吡啶并[3',2':4,5]吡啶并[2,1-a]异喹啉-9(8H)-基)4-氟苯磺酸甲酯	
A116	(2-(苄氧基)-3,12-二甲氧基-5,6,14,14a-四氢吡啶并[3',2':4,5]吡啶并[2,1-a]异喹啉-9(8H)-基)3-氟苯磺酸甲酯	

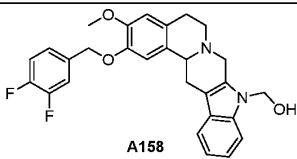
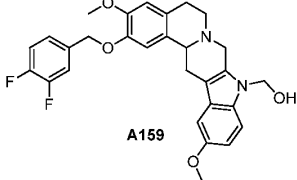
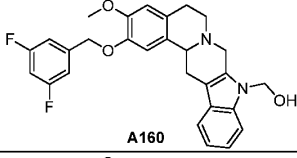
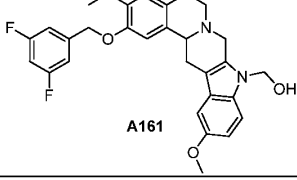
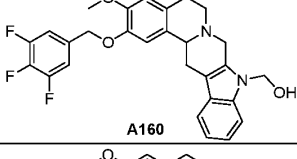
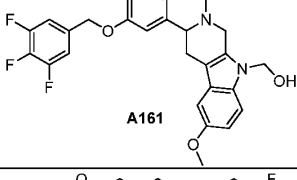
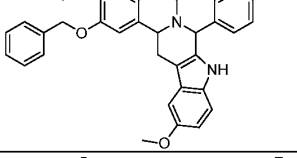
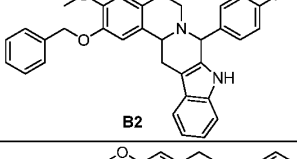
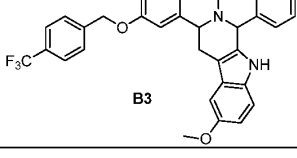
A117	(2-(苄氧基)-3,12-二甲氧基-5,6,14,14a-四氢吲哚并[3',2':4,5]吡啶并[2,1-a]异喹啉-9(8H)-基)2-氟苯磺酸甲酯	
A118	(2-(苄氧基)-3,12-二甲氧基-5,6,14,14a-四氢吲哚并[3',2':4,5]吡啶并[2,1-a]异喹啉-9(8H)-基)苄基磺酸甲酯	
A119	(2-(苄氧基)-3,12-二甲氧基-5,6,14,14a-四氢吲哚并[3',2':4,5]吡啶并[2,1-a]异喹啉-9(8H)-基)苯甲酸甲酯	
A120	(2-(苄氧基)-3,12-二甲氧基-5,6,14,14a-四氢吲哚并[3',2':4,5]吡啶并[2,1-a]异喹啉-9(8H)-基)-N,N-二甲基甲酸甲酯	
A121	(2-(苄氧基)-3,12-二甲氧基-5,6,14,14a-四氢吲哚并[3',2':4,5]吡啶并[2,1-a]异喹啉-9(8H)-基)4-氟苯甲酸甲酯	
A122	(2-(苄氧基)-3,12-二甲氧基-5,6,14,14a-四氢吲哚并[3',2':4,5]吡啶并[2,1-a]异喹啉-9(8H)-基)3-氟苯甲酸甲酯	
A123	(2-(苄氧基)-3,12-二甲氧基-5,6,14,14a-四氢吲哚并[3',2':4,5]吡啶并[2,1-a]异喹啉-9(8H)-基)2-氟苯甲酸甲酯	
A124	9-(羟甲基)-2,12-二甲氧基-5,6,8,9,14,14a-六氢吲哚并[3',2':4,5]吡啶并[2,1-a]异喹啉-3-基苯磺酸酯	
A125	9-(羟甲基)-3,12-二甲氧基-5,6,8,9,14,14a-六氢吲哚并[3',2':4,5]吡啶并[2,1-a]异喹啉-2-基苯磺酸酯	

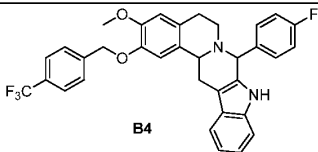
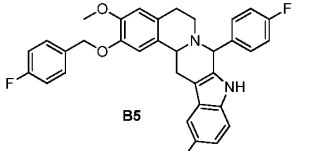
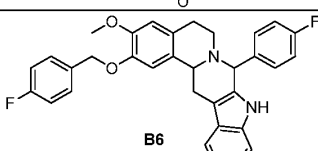
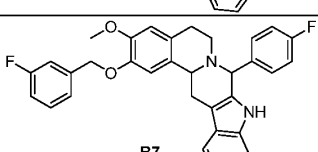
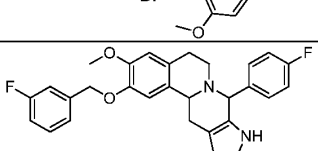
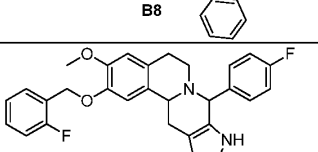
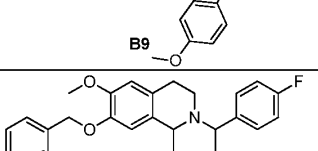
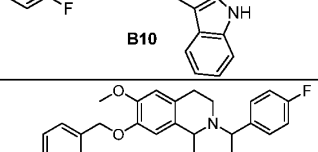
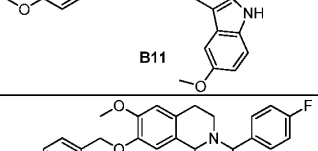
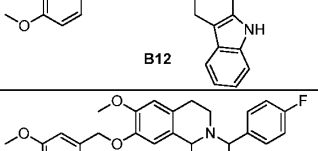
A130	(3-(苄氧基)-8-异丙基-2,12-二甲氧基-5,6,14,14a-四氢吲哚并[3',2':4,5]吡啶并[2,1-a]异喹啉-9(8H)-基)甲醇	
A131	(2-(苄氧基)-8-异丙基-3,12-二甲氧基-5,6,14,14a-四氢吲哚并[3',2':4,5]吡啶并[2,1-a]异喹啉-9(8H)-基)甲醇	
A132	2-(苄氧基)-3,12-二甲氧基-9-(苯磺酰)-5,6,8,9,14,14a-六氢吲哚并[3',2':4,5]吡啶并[2,1-a]异喹啉	
A133	3-(苄氧基)-2,12-二甲氧基-9-(苯磺酰)-5,6,8,9,14,14a-六氢吲哚并[3',2':4,5]吡啶并[2,1-a]异喹啉	
A134	(2-((4-氨基苯甲基)氧代)-3,12-二甲氧基-5,6,14,14a-四氢吲哚并[3',2':4,5]吡啶并[2,1-a]异喹啉-9(8H)-基)甲醇	
A135	(3-((4-氨基苯甲基)氧代)-2,12-二甲氧基-5,6,14,14a-四氢吲哚并[3',2':4,5]吡啶并[2,1-a]异喹啉-9(8H)-基)甲醇	
A136	4-(((9-(羟甲基)-3,12-二甲氧基-5,6,8,9,14,14a-六氢吲哚并[3',2':4,5]吡啶并[2,1-a]异喹啉-2-基)氧代)甲基)苯酚	
A137	4-(((9-(羟甲基)-2,12-二甲氧基-5,6,8,9,14,14a-六氢吲哚并[3',2':4,5]吡啶并[2,1-a]异喹啉-3-基)氧代)甲基)苯酚	

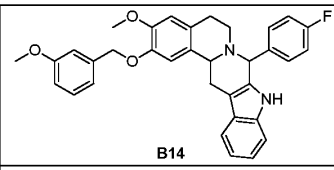
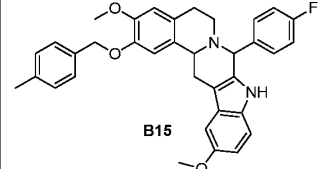
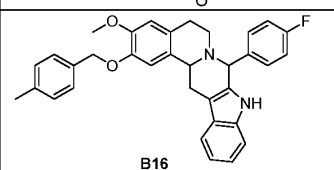
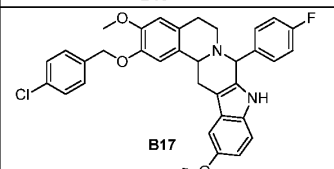
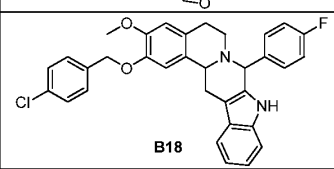
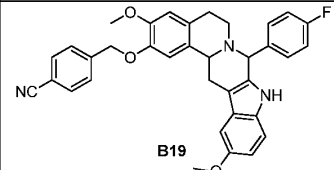
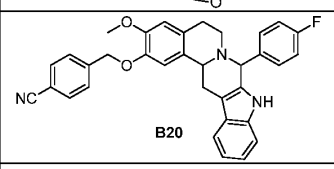
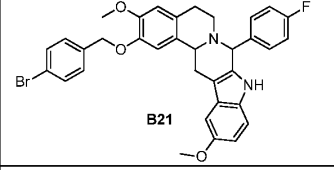
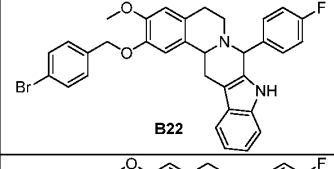
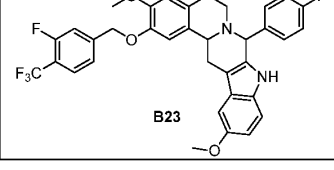
A138	4-(((9-(羟甲基)-3,12-二甲氧基-5,6,8,9,14,14a-六氢吡啶并[3',2':4,5]吡啶并[2,1-a]异喹啉-2-基)氧代)甲基)苯甲酸	
A139	4-(((9-(羟甲基)-2,12-二甲氧基-5,6,8,9,14,14a-六氢吡啶并[3',2':4,5]吡啶并[2,1-a]异喹啉-3-基)氧代)甲基)苯甲酸	
(S)-A55	S)-(3-(苄氧基)-2,12-二甲氧基-5,8,14,14a-四氢吡啶并[3',2':4,5]吡啶并[2,1-a]异喹啉-9(6H)-基)甲醇	
(R)-A55	R)-(3-(苄氧基)-2,12-二甲氧基-5,8,14,14a-四氢吡啶并[3',2':4,5]吡啶并[2,1-a]异喹啉-9(6H)-基)甲醇	
(S)-A1	(S)-(2-(苄氧基)-3,12-二甲氧基-5,8,14,14a-四氢吡啶并[3',2':4,5]吡啶并[2,1-a]异喹啉-9(6H)-基)甲醇	
(R)-A1	(R)-(2-(苄氧基)-3,12-二甲氧基-5,8,14,14a-四氢吡啶并[3',2':4,5]吡啶并[2,1-a]异喹啉-9(6H)-基)甲醇	
A140	(2,12-二甲氧基-3-((2-甲氧苄基)氧代)-5,6,14,14a-四氢吡啶并[3',2':4,5]吡啶并[2,1-a]异喹啉-9(8H)-基)甲醇	
A141	(2-甲氧基-3-((2-甲氧苄基)氧代)-5,6,14,14a-四氢吡啶并[3',2':4,5]吡啶并[2,1-a]异喹啉-9(8H)-基)甲醇	

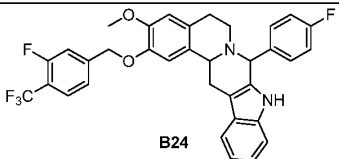
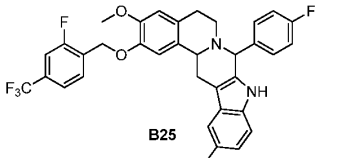
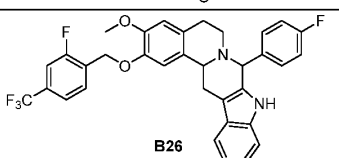
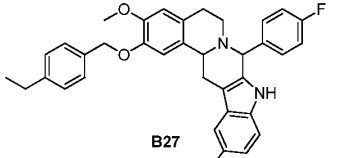
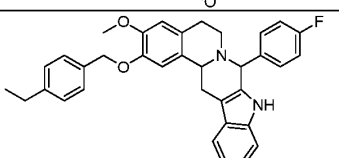
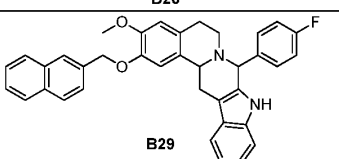
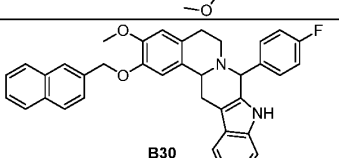
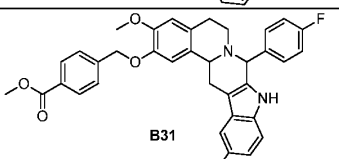
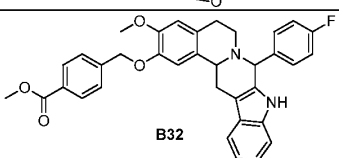
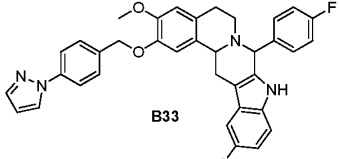
A142	(2,12-二甲氧基-3-((3-甲基苯基)氧代)-5,6,14,14a-四氢吲哚并[3',2':4,5]吡啶并[2,1-a]异喹啉-9(8H)-基)甲醇	
A143	(2-甲氧基-3-((3-甲基苯基)氧代)-5,6,14,14a-四氢吲哚并[3',2':4,5]吡啶并[2,1-a]异喹啉-9(8H)-基)甲醇	
A144	(2,12-二甲氧基-3-((2-甲基苯基)氧代)-5,6,14,14a-四氢吲哚并[3',2':4,5]吡啶并[2,1-a]异喹啉-9(8H)-基)甲醇	
A145	(2-甲氧基-3-((2-甲基苯基)氧代)-5,6,14,14a-四氢吲哚并[3',2':4,5]吡啶并[2,1-a]异喹啉-9(8H)-基)甲醇	
A146	(3,12-二甲氧基-2-((2-甲氧苄基)氧代)-5,6,14,14a-四氢吲哚并[3',2':4,5]吡啶并[2,1-a]异喹啉-9(8H)-基)甲醇	
A147	(3-甲氧基-2-((2-甲氧苄基)氧代)-5,6,14,14a-四氢吲哚并[3',2':4,5]吡啶并[2,1-a]异喹啉-9(8H)-基)甲醇	
A148	(3,12-二甲氧基-2-((3-甲基苄基)氧代)-5,6,14,14a-四氢吲哚并[3',2':4,5]吡啶并[2,1-a]异喹啉-9(8H)-基)甲醇	
A149	(3-甲氧基-2-((3-甲基苄基)氧代)-5,6,14,14a-四氢吲哚并[3',2':4,5]吡啶并[2,1-a]异喹啉-9(8H)-基)甲醇	
A150	(3,12-二甲氧基-2-((2-甲基苄基)氧代)-5,6,14,14a-四氢吲哚并[3',2':4,5]吡啶并[2,1-a]异喹啉-9(8H)-基)甲醇	

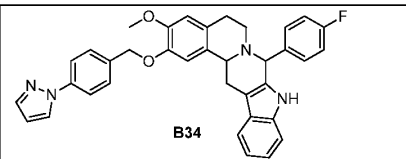
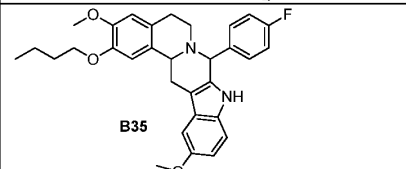
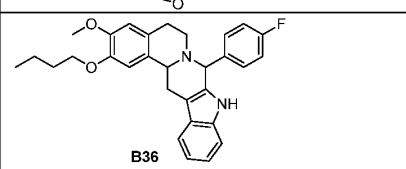
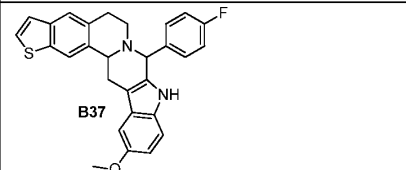
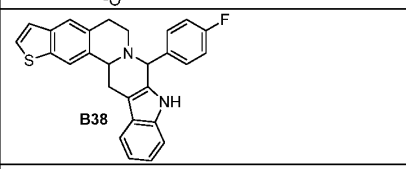
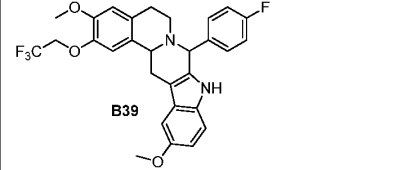
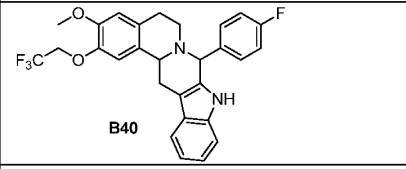
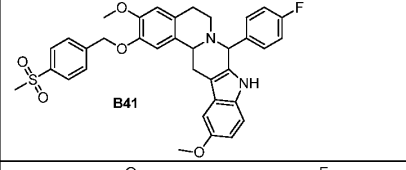
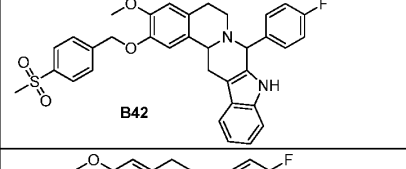
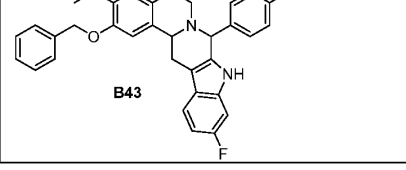
A151	(3-甲氧基-2-((2-甲基苄基)氧代)-5,6,14,14a-四氢吡啶并[3',2':4,5]吡啶并[2,1-a]异喹啉-9(8H)-基)甲醇	
A152	(2-甲氧基-3-((3,4-二氟苄基)氧代)-5,6,14,14a-四氢吡啶并[3',2':4,5]吡啶并[2,1-a]异喹啉-9(8H)-基)甲醇	
A153	(2,12-二甲氧基-3-((3,4-二氟苄基)氧代)-5,6,14,14a-四氢吡啶并[3',2':4,5]吡啶并[2,1-a]异喹啉-9(8H)-基)甲醇	
A154	(2-甲氧基-3-((3,5-二氟苄基)氧代)-5,6,14,14a-四氢吡啶并[3',2':4,5]吡啶并[2,1-a]异喹啉-9(8H)-基)甲醇	
A155	(2,12-二甲氧基-3-((3,5-二氟苄基)氧代)-5,6,14,14a-四氢吡啶并[3',2':4,5]吡啶并[2,1-a]异喹啉-9(8H)-基)甲醇	
A156	(2-甲氧基-3-((3,4,5-三氟苄基)氧代)-5,6,14,14a-四氢吡啶并[3',2':4,5]吡啶并[2,1-a]异喹啉-9(8H)-基)甲醇	
A157	(2,12-二甲氧基-3-((3,4,5-三氟苄基)氧代)-5,6,14,14a-四氢吡啶并[3',2':4,5]吡啶并[2,1-a]异喹啉-9(8H)-基)甲醇	

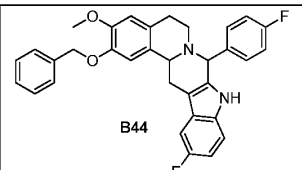
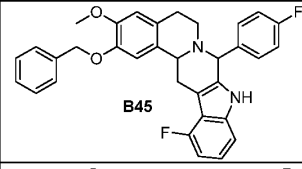
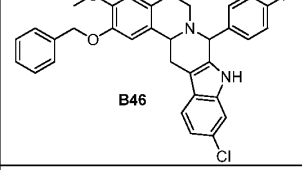
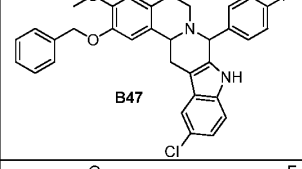
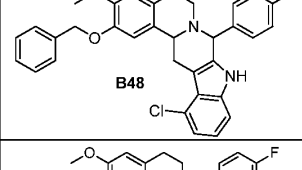
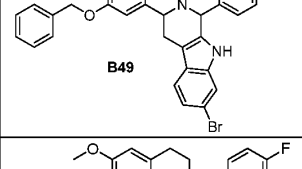
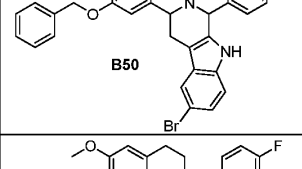
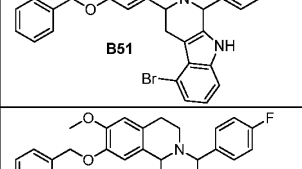
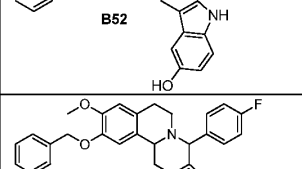
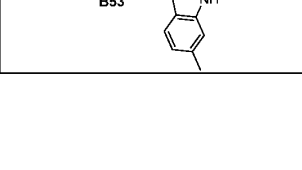
A158	(3-甲氧基-2-((3,4-二氟苄基)氧代)-5,6,14,14a-四氢吲哚并[3',2':4,5]吡啶并[2,1-a]异喹啉-9(8H)-基)甲醇	
A159	(3,12-二甲氧基-2-((3,4-二氟苄基)氧代)-5,6,14,14a-四氢吲哚并[3',2':4,5]吡啶并[2,1-a]异喹啉-9(8H)-基)甲醇	
A160	(3-甲氧基-2-((3,5-二氟苄基)氧代)-5,6,14,14a-四氢吲哚并[3',2':4,5]吡啶并[2,1-a]异喹啉-9(8H)-基)甲醇	
A161	(3,12-二甲氧基-2-((3,5-二氟苄基)氧代)-5,6,14,14a-四氢吲哚并[3',2':4,5]吡啶并[2,1-a]异喹啉-9(8H)-基)甲醇	
A162	(3-甲氧基-2-((3,4,5-三氟苄基)氧代)-5,6,14,14a-四氢吲哚并[3',2':4,5]吡啶并[2,1-a]异喹啉-9(8H)-基)甲醇	
A163	(3,12-二甲氧基-2-((3,4,5-三氟苄基)氧代)-5,6,14,14a-四氢吲哚并[3',2':4,5]吡啶并[2,1-a]异喹啉-9(8H)-基)甲醇	
B1	2-(苄氧基)-8-(4-氟苄基)-3,12-二甲氧基-5,6,8,9,14,14a-六氢吲哚并[3',2':4,5]吡啶并[2,1-a]异喹啉	
B2	2-(苄氧基)-8-(4-氟苄基)-3-甲氧基-5,6,8,9,14,14a-六氢吲哚并[3',2':4,5]吡啶并[2,1-a]异喹啉	
B3	8-(4-氟苄基)-3,12-二甲氧基-2-((4-(三氟甲基)苯基)氧代)-5,6,8,9,14,14a-六氢吲哚并[3',2':4,5]吡啶并[2,1-a]异喹啉	

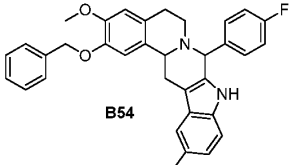
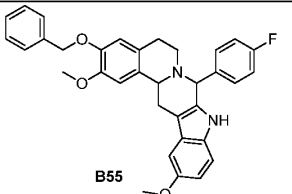
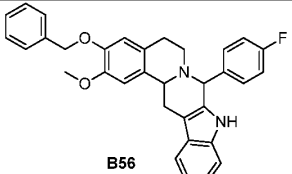
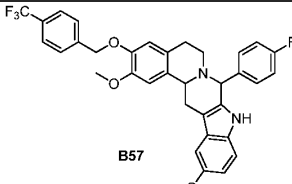
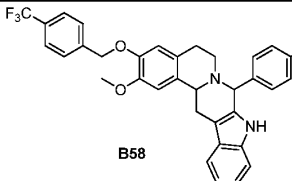
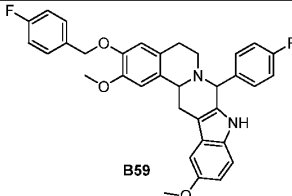
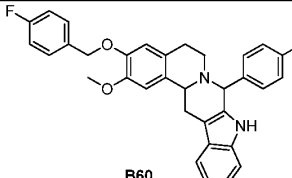
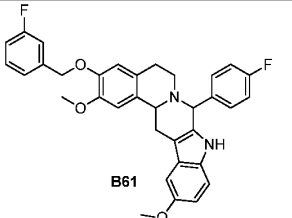
B4	8-(4-氟苯基)-3-甲氧基-2-((4-(三氟甲基)苯基)氧代)-5,6,8,9,14,14a-六氢吡啶并[3',2':4,5]吡啶并[2,1-a]异喹啉	
B5	2-((4-氟苯基)氧代)-8-(4-氟苯基)-3,12-二甲氧基-5,6,8,9,14,14a-六氢吡啶并[3',2':4,5]吡啶并[2,1-a]异喹啉	
B6	2-((4-氟苯基)氧代)-8-(4-氟苯基)-3-甲氧基-5,6,8,9,14,14a-六氢吡啶并[3',2':4,5]吡啶并[2,1-a]异喹啉	
B7	2-((3-氟苯基)氧代)-8-(4-氟苯基)-3,12-二甲氧基-5,6,8,9,14,14a-六氢吡啶并[3',2':4,5]吡啶并[2,1-a]异喹啉	
B8	2-((3-氟苯基)氧代)-8-(4-氟苯基)-3-甲氧基-5,6,8,9,14,14a-六氢吡啶并[3',2':4,5]吡啶并[2,1-a]异喹啉	
B9	2-((2-氟苯基)氧代)-8-(4-氟苯基)-3,12-二甲氧基-5,6,8,9,14,14a-六氢吡啶并[3',2':4,5]吡啶并[2,1-a]异喹啉	
B10	2-((2-氟苯基)氧代)-8-(4-氟苯基)-3-甲氧基-5,6,8,9,14,14a-六氢吡啶并[3',2':4,5]吡啶并[2,1-a]异喹啉	
B11	8-(4-氟苯基)-3,12-二甲氧基-2-((4-甲氧苄基)氧代)-5,6,8,9,14,14a-六氢吡啶并[3',2':4,5]吡啶并[2,1-a]异喹啉	
B12	8-(4-氟苯基)-3-甲氧基-2-((4-甲氧苄基)氧代)-5,6,8,9,14,14a-六氢吡啶并[3',2':4,5]吡啶并[2,1-a]异喹啉	
B13	8-(4-氟苯基)-3,12-二甲氧基-2-((3-甲氧苄基)氧代)-5,6,8,9,14,14a-六氢吡啶并[3',2':4,5]吡啶并[2,1-a]异喹啉	

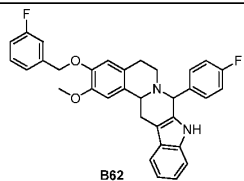
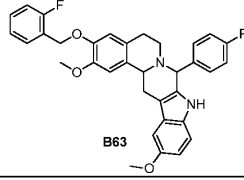
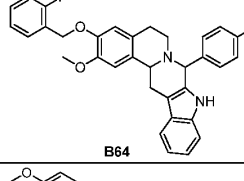
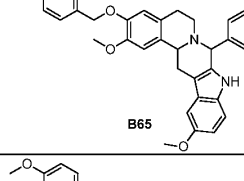
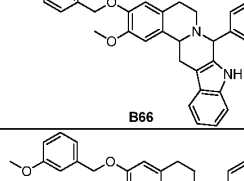
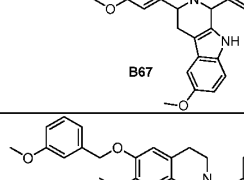
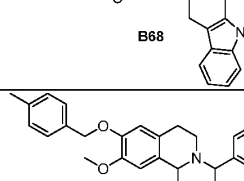
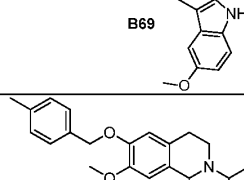
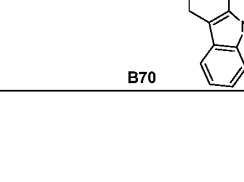
B14	8-(4-氟苯基)-3-甲氧基-2-((3-甲氧苄基)氧代)-5,6,8,9,14,14a-六氢吡啶并[3',2':4,5]吡啶并[2,1-a]异喹啉	
B15	8-(4-氟苯基)-3,12-二甲氧基-2-((4-甲基苄基)氧代)-5,6,8,9,14,14a-六氢吡啶并[3',2':4,5]吡啶并[2,1-a]异喹啉	
B16	8-(4-氟苯基)-3-甲氧基-2-((4-甲基苄基)氧代)-5,6,8,9,14,14a-六氢吡啶并[3',2':4,5]吡啶并[2,1-a]异喹啉	
B17	2-((4-氯苄基)氧代)-8-(4-氟苯基)-3,12-二甲氧基-5,6,8,9,14,14a-六氢吡啶并[3',2':4,5]吡啶并[2,1-a]异喹啉	
B18	2-((4-氯苄基)氧代)-8-(4-氟苯基)-3-甲氧基-5,6,8,9,14,14a-六氢吡啶并[3',2':4,5]吡啶并[2,1-a]异喹啉	
B19	4-(((8-(4-氟苯基)-3,12-二甲氧基-5,6,8,9,14,14a-六氢吡啶并[3',2':4,5]吡啶并[2,1-a]异喹啉-2-基)氧代)甲基)苯甲腈	
B20	4-(((8-(4-氟苯基)-3-甲氧基-5,6,8,9,14,14a-六氢吡啶并[3',2':4,5]吡啶并[2,1-a]异喹啉-2-基)氧代)甲基)苯甲腈	
B21	2-((4-溴苄基)氧代)-8-(4-氟苯基)-3,12-二甲氧基-5,6,8,9,14,14a-六氢吡啶并[3',2':4,5]吡啶并[2,1-a]异喹啉	
B22	2-((4-溴苄基)氧代)-8-(4-氟苯基)-3-甲氧基-5,6,8,9,14,14a-六氢吡啶并[3',2':4,5]吡啶并[2,1-a]异喹啉	
B23	2-((3-氟-4-(三氟甲基)苄基)氧代)-8-(4-氟苯基)-3,12-二甲氧基-5,6,8,9,14,14a-六氢吡啶并[3',2':4,5]吡啶并[2,1-a]异喹啉	

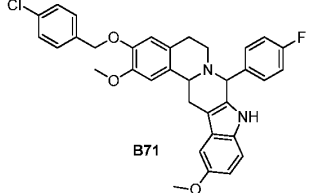
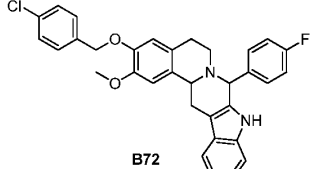
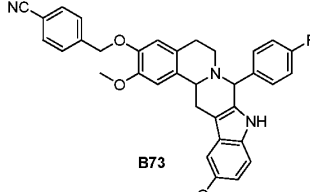
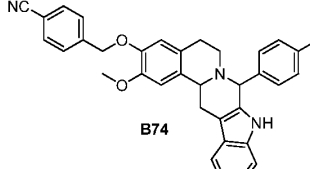
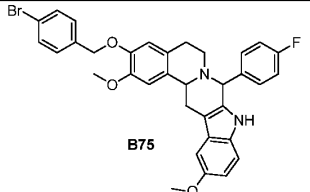
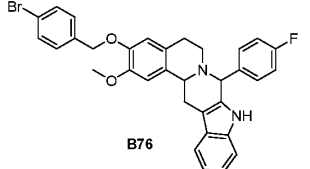
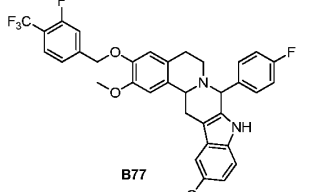
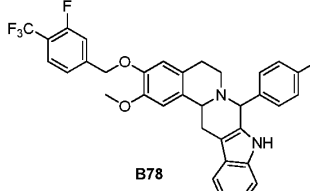
B24	2-((3-氟-4-(三氟甲基)苯甲基)氧代)-8-(4-氟苯基)-3-甲氧基-5,6,8,9,14,14a-六氢吡啶并[3',2':4,5]吡啶并[2,1-a]异喹啉	
B25	2-((2-氟-4-(三氟甲基)苯甲基)氧代)-8-(4-氟苯基)-3,12-二甲氧基-5,6,8,9,14,14a-六氢吡啶并[3',2':4,5]吡啶并[2,1-a]异喹啉	
B26	2-((2-氟-4-(三氟甲基)苯甲基)氧代)-8-(4-氟苯基)-3-甲氧基-5,6,8,9,14,14a-六氢吡啶并[3',2':4,5]吡啶并[2,1-a]异喹啉	
B27	2-((4-乙基苯甲基)氧代)-8-(4-氟苯基)-3,12-二甲氧基-5,6,8,9,14,14a-六氢吡啶并[3',2':4,5]吡啶并[2,1-a]异喹啉	
B28	2-((4-乙基苯甲基)氧代)-8-(4-氟苯基)-3-甲氧基-5,6,8,9,14,14a-六氢吡啶并[3',2':4,5]吡啶并[2,1-a]异喹啉	
B29	8-(4-氟苯基)-3,12-二甲氧基-2-(萘-2-基甲氧基)-5,6,8,9,14,14a-六氢吡啶并[3',2':4,5]吡啶并[2,1-a]异喹啉	
B30	8-(4-氟苯基)-3-甲氧基-2-(萘-2-基甲氧基)-5,6,8,9,14,14a-六氢吡啶并[3',2':4,5]吡啶并[2,1-a]异喹啉	
B31	4-(((8-(4-氟苯基)-3,12-二甲氧基-5,6,8,9,14,14a-六氢吡啶并[3',2':4,5]吡啶并[2,1-a]异喹啉-2-基)氧代)甲基)苯甲酸酯	
B32	4-(((8-(4-氟苯基)-3-甲氧基-5,6,8,9,14,14a-六氢吡啶并[3',2':4,5]吡啶并[2,1-a]异喹啉-2-基)氧代)甲基)苯甲酸酯	
B33	2-(((1H-吡唑-1-基)苯甲基)氧代)-8-(4-氟苯基)-3,12-二甲氧基-5,6,8,9,14,14a-六氢吡啶并[3',2':4,5]吡啶并[2,1-a]异喹啉	

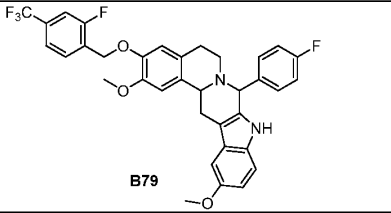
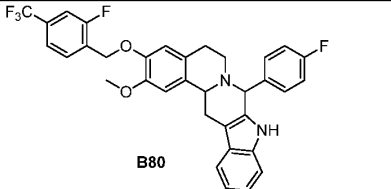
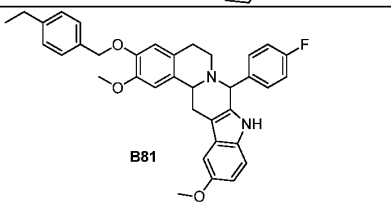
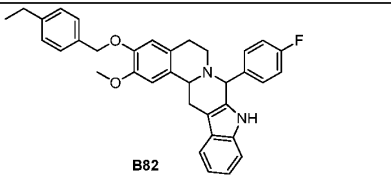
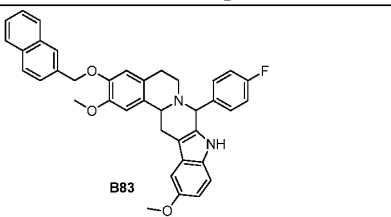
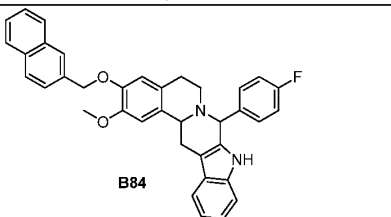
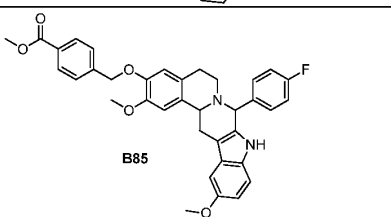
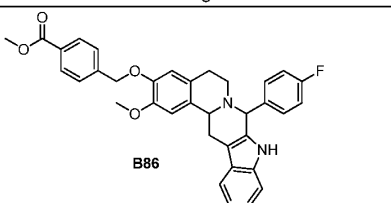
B34	2-((4-(1H-吡唑-1-基)苯甲基)氧代)-8-(4-氟苯基)-3-甲氧基-5,6,8,9,14,14a-六氢吡啶并[3',2':4,5]吡啶并[2,1-a]异喹啉	
B35	2-丁氧基-8-(4-氟苯基)-3,12-二甲氧基-5,6,8,9,14,14a-六氢吡啶并[3',2':4,5]吡啶并[2,1-a]异喹啉	
B36	2-丁氧基-8-(4-氟苯基)-3-甲氧基-5,6,8,9,14,14a-六氢吡啶并[3',2':4,5]吡啶并[2,1-a]异喹啉	
B37	8-(4-氟苯基)-12-甲氧基-5,6,8,9,14,14a-六氢吡啶并[3',2':4,5]吡啶并[2,1-a]噻吩并[3,2-g]异喹啉	
B38	8-(4-氟苯基)-5,6,8,9,14,14a-六氢吡啶并[3',2':4,5]吡啶并[2,1-a]噻吩并[3,2-g]异喹啉	
B39	8-(4-氟苯基)-3,12-二甲氧基-2-(2,2,2-三氟乙氧基)-5,6,8,9,14,14a-六氢吡啶并[3',2':4,5]吡啶并[2,1-a]异喹啉	
B40	8-(4-氟苯基)-3-甲氧基-2-(2,2,2-三氟乙氧基)-5,6,8,9,14,14a-六氢吡啶并[3',2':4,5]吡啶并[2,1-a]异喹啉	
B41	8-(4-氟苯基)-3,12-二甲氧基-2-((4-(甲磺酰)苯甲基)氧代)-5,6,8,9,14,14a-六氢吡啶并[3',2':4,5]吡啶并[2,1-a]异喹啉	
B42	8-(4-氟苯基)-3-甲氧基-2-((4-(甲磺酰)苯甲基)氧代)-5,6,8,9,14,14a-六氢吡啶并[3',2':4,5]吡啶并[2,1-a]异喹啉	
B43	2-(苄氧基)-11-氟-8-(4-氟苯基)-3-甲氧基-5,6,8,9,14,14a-六氢吡啶并[3',2':4,5]吡啶并[2,1-a]异喹啉	

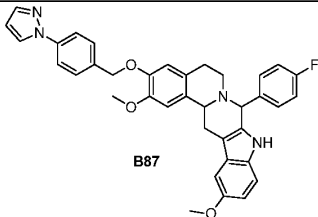
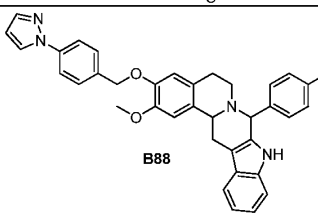
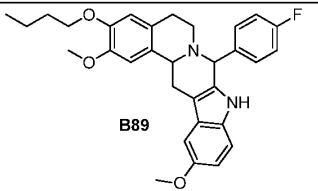
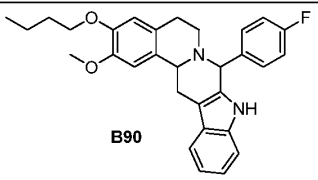
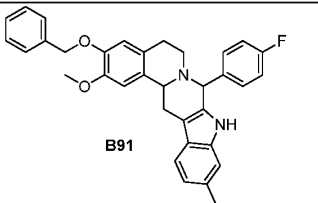
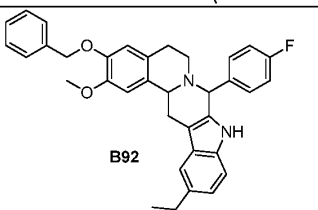
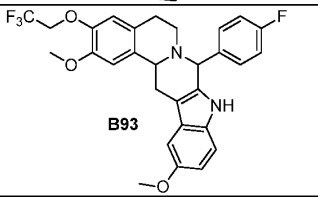
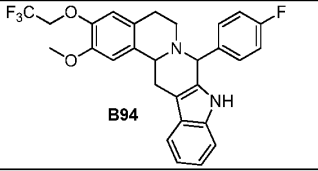
B44	2-(苄氧基)-12-氟-8-(4-氟苯基)-3-甲氧基-5,6,8,9,14,14a-六氢吲哚并[3',2':4,5]吡啶并[2,1-a]异喹啉	
B45	2-(苄氧基)-13-氟-8-(4-氟苯基)-3-甲氧基-5,6,8,9,14,14a-六氢吲哚并[3',2':4,5]吡啶并[2,1-a]异喹啉	
B46	2-(苄氧基)-11-氯-8-(4-氟苯基)-3-甲氧基-5,6,8,9,14,14a-六氢吲哚并[3',2':4,5]吡啶并[2,1-a]异喹啉	
B47	2-(苄氧基)-12-氯-8-(4-氟苯基)-3-甲氧基-5,6,8,9,14,14a-六氢吲哚并[3',2':4,5]吡啶并[2,1-a]异喹啉	
B48	2-(苄氧基)-13-氯-8-(4-氟苯基)-3-甲氧基-5,6,8,9,14,14a-六氢吲哚并[3',2':4,5]吡啶并[2,1-a]异喹啉	
B49	2-(苄氧基)-11-溴-8-(4-氟苯基)-3-甲氧基-5,6,8,9,14,14a-六氢吲哚并[3',2':4,5]吡啶并[2,1-a]异喹啉	
B50	2-(苄氧基)-12-溴-8-(4-氟苯基)-3-甲氧基-5,6,8,9,14,14a-六氢吲哚并[3',2':4,5]吡啶并[2,1-a]异喹啉	
B51	2-(苄氧基)-13-溴-8-(4-氟苯基)-3-甲氧基-5,6,8,9,14,14a-六氢吲哚并[3',2':4,5]吡啶并[2,1-a]异喹啉	
B52	2-(苄氧基)-8-(4-氟苯基)-3-甲氧基-5,6,8,9,14,14a-六氢吲哚并[3',2':4,5]吡啶并[2,1-a]异喹啉-12-酚	
B53	2-(苄氧基)-8-(4-氟苯基)-3-甲氧基-11-甲基-5,6,8,9,14,14a-六氢吲哚并[3',2':4,5]吡啶并[2,1-a]异喹啉	

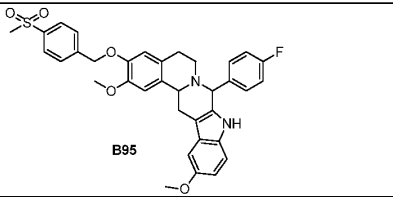
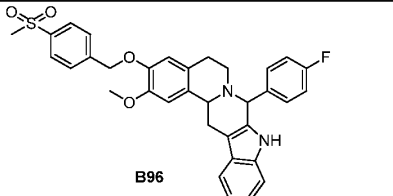
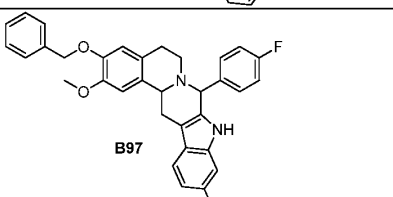
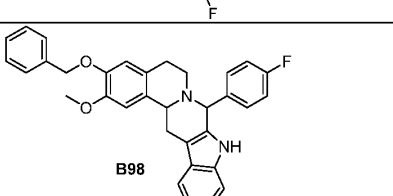
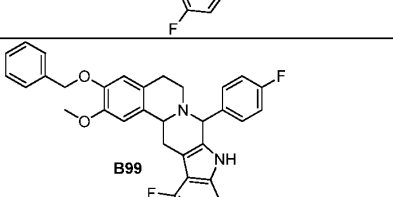
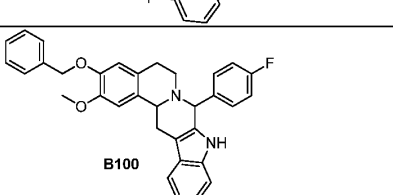
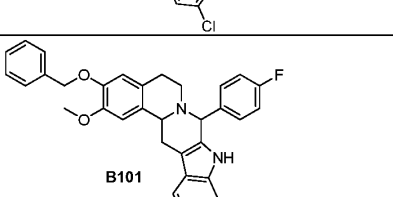
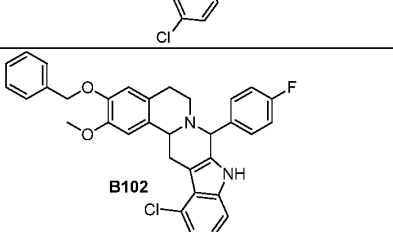
B54	2-(苄氧基)-12-乙基-8-(4-氟苯基)-3-甲氧基-5,6,8,9,14,14a-六氢吡啶并[3',2':4,5]吡啶并[2,1-a]异喹啉	
B55	3-(苄氧基)-8-(4-氟苯基)-2,12-二甲氧基-5,6,8,9,14,14a-六氢吡啶并[3',2':4,5]吡啶并[2,1-a]异喹啉	
B56	3-(苄氧基)-8-(4-氟苯基)-2-甲氧基-5,6,8,9,14,14a-六氢吡啶并[3',2':4,5]吡啶并[2,1-a]异喹啉	
B57	8-(4-氟苯基)-2,12-二甲氧基-3-((4-(三氟甲基)苯基)氧代)-5,6,8,9,14,14a-六氢吡啶并[3',2':4,5]吡啶并[2,1-a]异喹啉	
B58	8-(4-氟苯基)-2-甲氧基-3-((4-(三氟甲基)苯基)氧代)-5,6,8,9,14,14a-六氢吡啶并[3',2':4,5]吡啶并[2,1-a]异喹啉	
B59	3-((4-氟苯基)氧代)-8-(4-氟苯基)-2,12-二甲氧基-5,6,8,9,14,14a-六氢吡啶并[3',2':4,5]吡啶并[2,1-a]异喹啉	
B60	3-((4-氟苯基)氧代)-8-(4-氟苯基)-2-甲氧基-5,6,8,9,14,14a-六氢吡啶并[3',2':4,5]吡啶并[2,1-a]异喹啉	
B61	3-((3-氟苯基)氧代)-8-(4-氟苯基)-2,12-二甲氧基-5,6,8,9,14,14a-六氢吡啶并[3',2':4,5]吡啶并[2,1-a]异喹啉	

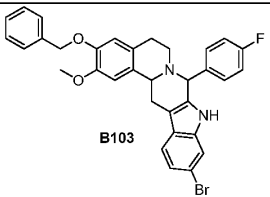
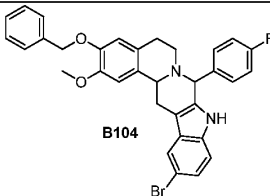
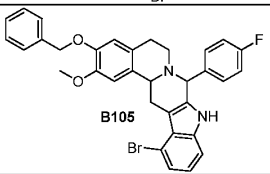
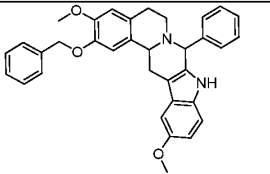
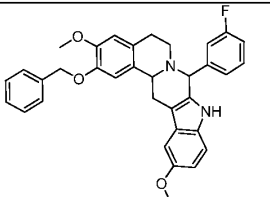
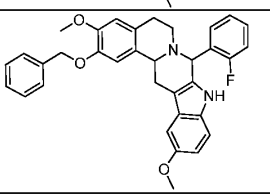
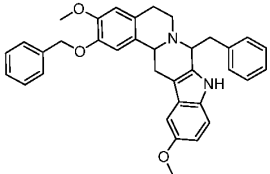
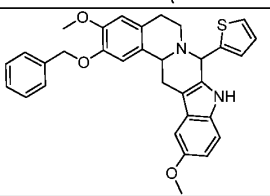
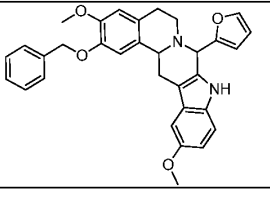
B62	3-((3-氟苯甲基)氧代)-8-(4-氟苯基)-2-甲氧基-5,6,8,9,14,14a-六氢吲哚并[3',2':4,5]吡啶并[2,1-a]异喹啉	
B63	3-((2-氟苯甲基)氧代)-8-(4-氟苯基)-2,12-二甲氧基-5,6,8,9,14,14a-六氢吲哚并[3',2':4,5]吡啶并[2,1-a]异喹啉	
B64	3-((2-氟苯甲基)氧代)-8-(4-氟苯基)-2-甲氧基-5,6,8,9,14,14a-六氢吲哚并[3',2':4,5]吡啶并[2,1-a]异喹啉	
B65	8-(4-氟苯基)-2,12-二甲氧基-3-((4-甲氧苄基)氧代)-5,6,8,9,14,14a-六氢吲哚并[3',2':4,5]吡啶并[2,1-a]异喹啉	
B66	8-(4-氟苯基)-2-甲氧基-3-((4-甲氧苄基)氧代)-5,6,8,9,14,14a-六氢吲哚并[3',2':4,5]吡啶并[2,1-a]异喹啉	
B67	8-(4-氟苯基)-2,12-二甲氧基-3-((3-甲氧苄基)氧代)-5,6,8,9,14,14a-六氢吲哚并[3',2':4,5]吡啶并[2,1-a]异喹啉	
B68	8-(4-氟苯基)-2-甲氧基-3-((3-甲氧苄基)氧代)-5,6,8,9,14,14a-六氢吲哚并[3',2':4,5]吡啶并[2,1-a]异喹啉	
B69	8-(4-氟苯基)-2,12-二甲氧基-3-((4-甲基苄基)氧代)-5,6,8,9,14,14a-六氢吲哚并[3',2':4,5]吡啶并[2,1-a]异喹啉	
B70	8-(4-氟苯基)-2-甲氧基-3-((4-甲基苄基)氧代)-5,6,8,9,14,14a-六氢吲哚并[3',2':4,5]吡啶并[2,1-a]异喹啉	

B71	3-((4-氯苯基)氧代)-8-(4-氟苯基)-2,12-二甲氧基-5,6,8,9,14,14a-六氢吲哚并[3',2':4,5]吡啶并[2,1-a]异喹啉	 B71
B72	3-((4-氯苯基)氧代)-8-(4-氟苯基)-2-甲氧基-5,6,8,9,14,14a-六氢吲哚并[3',2':4,5]吡啶并[2,1-a]异喹啉	 B72
B73	4-(((8-(4-氟苯基)-2,12-二甲氧基-5,6,8,9,14,14a-六氢吲哚并[3',2':4,5]吡啶并[2,1-a]异喹啉-3-基)氧代)甲基)苯甲腈	 B73
B74	4-(((8-(4-氟苯基)-2-甲氧基-5,6,8,9,14,14a-六氢吲哚并[3',2':4,5]吡啶并[2,1-a]异喹啉-3-基)氧代)甲基)苯甲腈	 B74
B75	3-((4-溴苯基)氧代)-8-(4-氟苯基)-2,12-二甲氧基-5,6,8,9,14,14a-六氢吲哚并[3',2':4,5]吡啶并[2,1-a]异喹啉	 B75
B76	3-((4-溴苯基)氧代)-8-(4-氟苯基)-2-甲氧基-5,6,8,9,14,14a-六氢吲哚并[3',2':4,5]吡啶并[2,1-a]异喹啉	 B76
B77	3-((3-氟-4-(三氟甲基)苯基)氧代)-8-(4-氟苯基)-2,12-二甲氧基-5,6,8,9,14,14a-六氢吲哚并[3',2':4,5]吡啶并[2,1-a]异喹啉	 B77
B78	3-((3-氟-4-(三氟甲基)苯基)氧代)-8-(4-氟苯基)-2-甲氧基-5,6,8,9,14,14a-六氢吲哚并[3',2':4,5]吡啶并[2,1-a]异喹啉	 B78

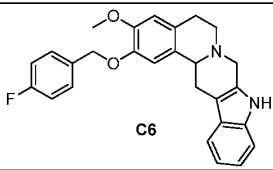
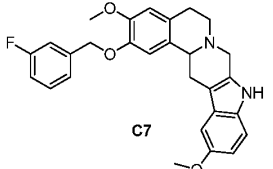
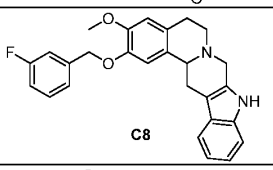
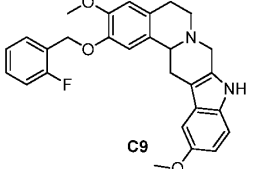
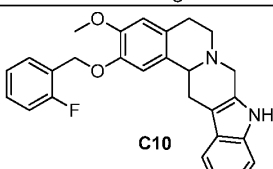
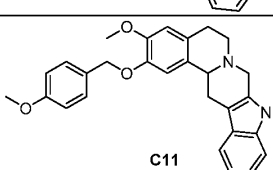
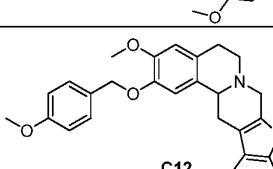
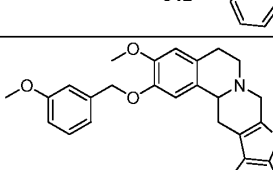
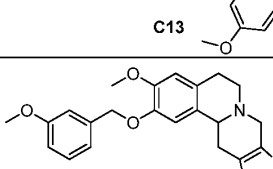
B79	3-((2-氟-4-(三氟甲基)苯甲基)氧代)-8-(4-氟苯基)-2,12-二甲氧基-5,6,8,9,14,14a-六氢吲哚并[3',2':4,5]吡啶并[2,1-a]异喹啉	
B80	3-((2-氟-4-(三氟甲基)苯甲基)氧代)-8-(4-氟苯基)-2-甲氧基-5,6,8,9,14,14a-六氢吲哚并[3',2':4,5]吡啶并[2,1-a]异喹啉	
B81	3-((4-乙基苯甲基)氧代)-8-(4-氟苯基)-2,12-二甲氧基-5,6,8,9,14,14a-六氢吲哚并[3',2':4,5]吡啶并[2,1-a]异喹啉	
B82	3-((4-乙基苯甲基)氧代)-8-(4-氟苯基)-2-甲氧基-5,6,8,9,14,14a-六氢吲哚并[3',2':4,5]吡啶并[2,1-a]异喹啉	
B83	8-(4-氟苯基)-2,12-二甲氧基-3-(萘-2-基甲氧基)-5,6,8,9,14,14a-六氢吲哚并[3',2':4,5]吡啶并[2,1-a]异喹啉	
B84	8-(4-氟苯基)-2-甲氧基-3-(萘-2-基甲氧基)-5,6,8,9,14,14a-六氢吲哚并[3',2':4,5]吡啶并[2,1-a]异喹啉	
B85	4-(((8-(4-氟苯基)-2,12-二甲氧基-5,6,8,9,14,14a-六氢吲哚并[3',2':4,5]吡啶并[2,1-a]异喹啉-3-基)氧代)甲基)苯甲酸酯	
B86	4-(((8-(4-氟苯基)-2-甲氧基-5,6,8,9,14,14a-六氢吲哚并[3',2':4,5]吡啶并[2,1-a]异喹啉-3-基)氧代)甲基)苯甲酸酯	

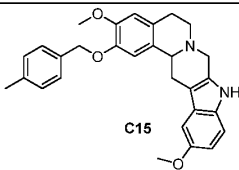
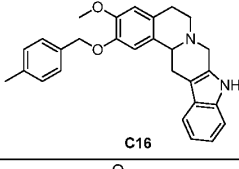
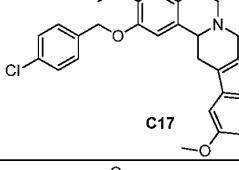
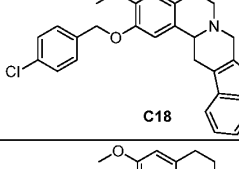
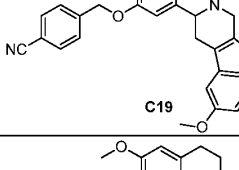
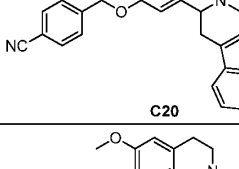
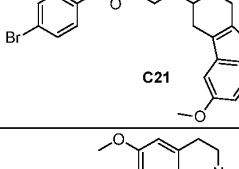
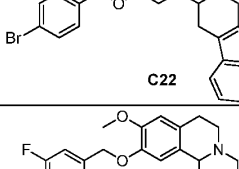
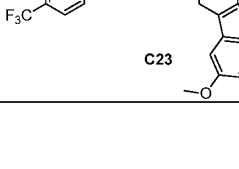
B87	3-((4-(1H-吡唑-1-基)苯甲基)氧代)-8-(4-氟苯基)-2,12-二甲氧基-5,6,8,9,14,14a-六氢吡啶并[3',2':4,5]吡啶并[2,1-a]异喹啉	
B88	3-((4-(1H-吡唑-1-基)苯甲基)氧代)-8-(4-氟苯基)-2-甲氧基-5,6,8,9,14,14a-六氢吡啶并[3',2':4,5]吡啶并[2,1-a]异喹啉	
B89	3-丁氧基-8-(4-氟苯基)-2,12-二甲氧基-5,6,8,9,14,14a-六氢吡啶并[3',2':4,5]吡啶并[2,1-a]异喹啉	
B90	3-丁氧基-8-(4-氟苯基)-2-甲氧基-5,6,8,9,14,14a-六氢吡啶并[3',2':4,5]吡啶并[2,1-a]异喹啉	
B91	3-(苄氧基)-8-(4-氟苯基)-2-甲氧基-11-甲基-5,6,8,9,14,14a-六氢吡啶并[3',2':4,5]吡啶并[2,1-a]异喹啉	
B92	3-(苄氧基)-8-(4-氟苯基)-2-甲氧基-12-乙基-5,6,8,9,14,14a-六氢吡啶并[3',2':4,5]吡啶并[2,1-a]异喹啉	
B93	8-(4-氟苯基)-2,12-二甲氧基-3-(2,2,2-三氟乙氧基)-5,6,8,9,14,14a-六氢吡啶并[3',2':4,5]吡啶并[2,1-a]异喹啉	
B94	8-(4-氟苯基)-2-甲氧基-3-(2,2,2-三氟乙氧基)-5,6,8,9,14,14a-六氢吡啶并[3',2':4,5]吡啶并[2,1-a]异喹啉	

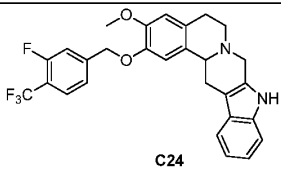
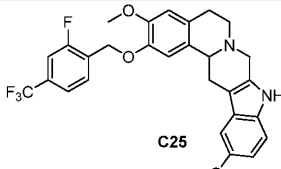
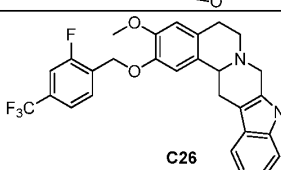
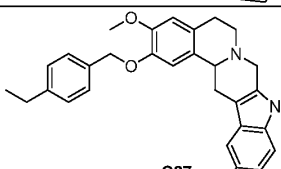
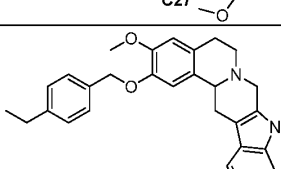
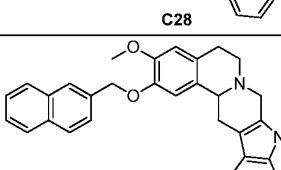
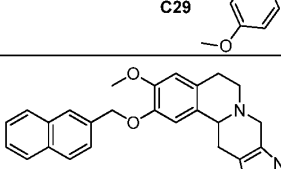
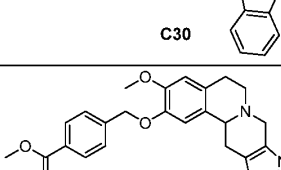
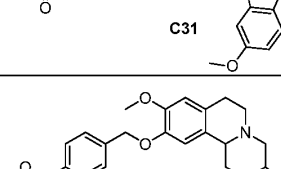
B95	8-氟-2,12-二甲氧基-3-((4-(甲磺酰)苯基)氧代)-5,6,8,9,14,14a-六氢吲哚并[3',2':4,5]吡啶并[2,1-a]异喹啉	
B96	8-氟-2-甲氧基-3-((4-(甲磺酰)苯基)氧代)-5,6,8,9,14,14a-六氢吲哚并[3',2':4,5]吡啶并[2,1-a]异喹啉	
B97	3-(苄氧基)-11-氟-8-(4-氟苯基)-2-甲氧基-5,6,8,9,14,14a-六氢吲哚并[3',2':4,5]吡啶并[2,1-a]异喹啉	
B98	3-(苄氧基)-12-氟-8-(4-氟苯基)-2-甲氧基-5,6,8,9,14,14a-六氢吲哚并[3',2':4,5]吡啶并[2,1-a]异喹啉	
B99	3-(苄氧基)-13-氟-8-(4-氟苯基)-2-甲氧基-5,6,8,9,14,14a-六氢吲哚并[3',2':4,5]吡啶并[2,1-a]异喹啉	
B100	3-(苄氧基)-11-氯-8-(4-氟苯基)-2-甲氧基-5,6,8,9,14,14a-六氢吲哚并[3',2':4,5]吡啶并[2,1-a]异喹啉	
B101	3-(苄氧基)-12-氯-8-(4-氟苯基)-2-甲氧基-5,6,8,9,14,14a-六氢吲哚并[3',2':4,5]吡啶并[2,1-a]异喹啉	
B102	3-(苄氧基)-13-氯-8-(4-氟苯基)-2-甲氧基-5,6,8,9,14,14a-六氢吲哚并[3',2':4,5]吡啶并[2,1-a]异喹啉	

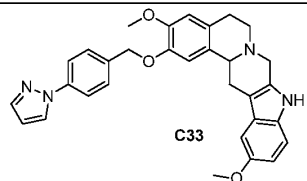
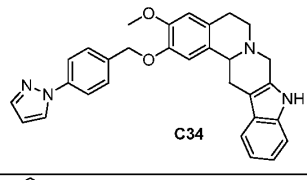
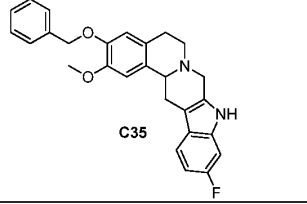
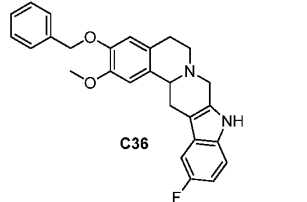
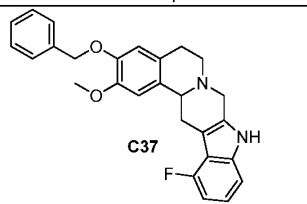
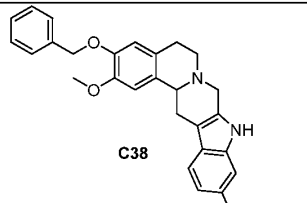
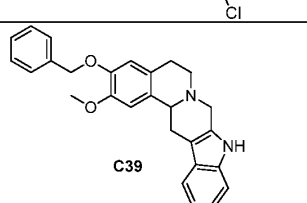
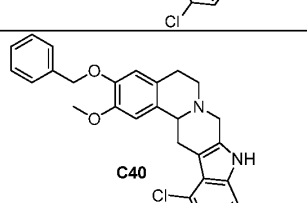
B103	3-(苄氧基)-11-溴-8-(4-氟苯基)-2-甲氧基-5,6,8,9,14,14a-六氢吲哚并[3',2':4,5]吡啶并[2,1-a]异喹啉	
B104	3-(苄氧基)-12-溴-8-(4-氟苯基)-2-甲氧基-5,6,8,9,14,14a-六氢吲哚并[3',2':4,5]吡啶并[2,1-a]异喹啉	
B105	3-(苄氧基)-13-溴-8-(4-氟苯基)-2-甲氧基-5,6,8,9,14,14a-六氢吲哚并[3',2':4,5]吡啶并[2,1-a]异喹啉	
B106	2-(苄氧基)-8-苯基-3,12-二甲氧基-5,6,8,9,14,14a-六氢吲哚并[3',2':4,5]吡啶并[2,1-a]异喹啉	
B107	2-(苄氧基)-8-(3-氟苯基)-3,12-二甲氧基-5,6,8,9,14,14a-六氢吲哚并[3',2':4,5]吡啶并[2,1-a]异喹啉	
B108	2-(苄氧基)-8-(2-氟苯基)-3,12-二甲氧基-5,6,8,9,14,14a-六氢吲哚并[3',2':4,5]吡啶并[2,1-a]异喹啉	
B109	2-(苄氧基)-8-苄基-3,12-二甲氧基-5,6,8,9,14,14a-六氢吲哚并[3',2':4,5]吡啶并[2,1-a]异喹啉	
B110	2-(苄氧基)-8-噻吩-3,12-二甲氧基-5,6,8,9,14,14a-六氢吲哚并[3',2':4,5]吡啶并[2,1-a]异喹啉	
B111	2-(苄氧基)-8-呋喃-3,12-二甲氧基-5,6,8,9,14,14a-六氢吲哚并[3',2':4,5]吡啶并[2,1-a]异喹啉	

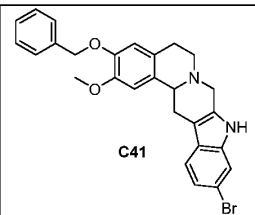
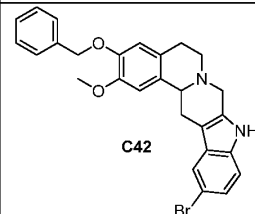
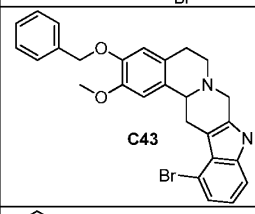
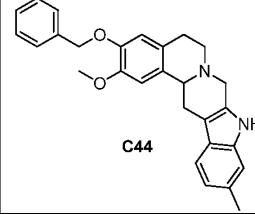
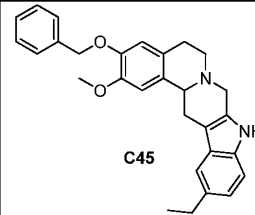
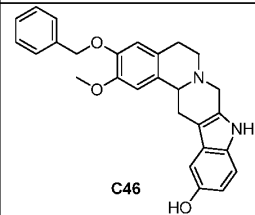
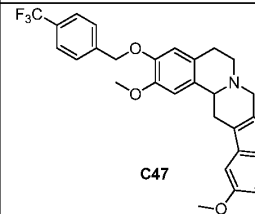
B112	2-(苄氧基)-8-(3-甲基呋喃)-3,12-二甲氧基-5,6,8,9,14,14a-六氢吲哚并[3',2':4,5]吡啶并[2,1-a]异喹啉	
B113	2-(苄氧基)-8-(5-甲基呋喃)-3,12-二甲氧基-5,6,8,9,14,14a-六氢吲哚并[3',2':4,5]吡啶并[2,1-a]异喹啉	
B114	2-(苄氧基)-8-(5-氰基呋喃)-3,12-二甲氧基-5,6,8,9,14,14a-六氢吲哚并[3',2':4,5]吡啶并[2,1-a]异喹啉	
B115	2-(苄氧基)-8-吡咯-3,12-二甲氧基-5,6,8,9,14,14a-六氢吲哚并[3',2':4,5]吡啶并[2,1-a]异喹啉	
C1	2-((2,4-二(三氟甲基)苯基)氧代)-3,12-二甲氧基-5,6,8,9,14,14a-六氢吲哚并[3',2':4,5]吡啶并[2,1-a]异喹啉	
C2	2-((2,4-二(三氟甲基)苯基)氧代)-3-甲氧基-5,6,8,9,14,14a-六氢吲哚并[3',2':4,5]吡啶并[2,1-a]异喹啉	
C3	3,12-二甲氧基-2-((4-(三氟甲基)苯基)氧代)-5,6,8,9,14,14a-六氢吲哚并[3',2':4,5]吡啶并[2,1-a]异喹啉	
C4	3-甲氧基-2-((4-(三氟甲基)苯基)氧代)-5,6,8,9,14,14a-六氢吲哚并[3',2':4,5]吡啶并[2,1-a]异喹啉	
C5	2-((4-氟苯基)氧代)-3,12-二甲氧基-5,6,8,9,14,14a-六氢吲哚并[3',2':4,5]吡啶并[2,1-a]异喹啉	

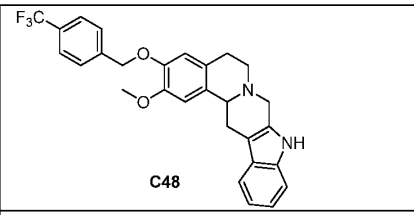
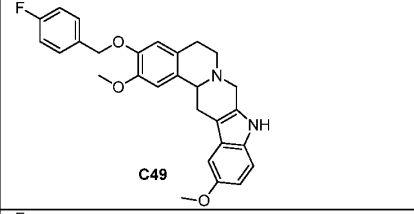
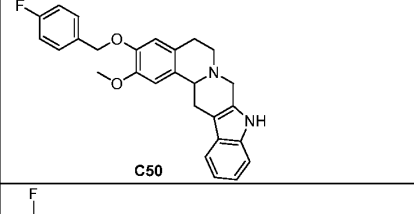
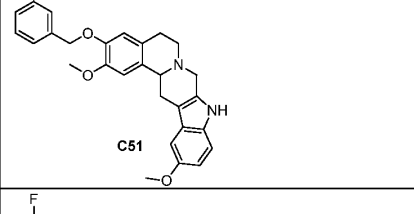
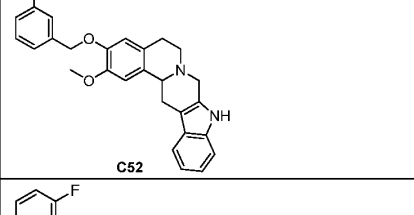
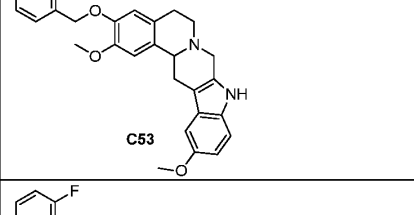
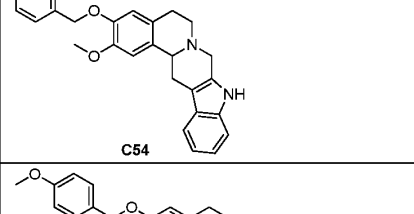
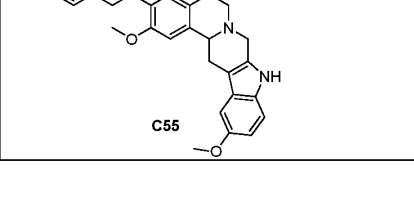
C6	2-((4-氟苯基)氧代)-3-甲氧基-5,6,8,9,14,14a-六氢吡啶并[3',2':4,5]吡啶并[2,1-a]异喹啉	
C7	2-((3-氟苯基)氧代)-3,12-二甲氧基-5,6,8,9,14,14a-六氢吡啶并[3',2':4,5]吡啶并[2,1-a]异喹啉	
C8	2-((3-氟苯基)氧代)-3-甲氧基-5,6,8,9,14,14a-六氢吡啶并[3',2':4,5]吡啶并[2,1-a]异喹啉	
C9	2-((2-氟苯基)氧代)-3,12-二甲氧基-5,6,8,9,14,14a-六氢吡啶并[3',2':4,5]吡啶并[2,1-a]异喹啉	
C10	2-((2-氟苯基)氧代)-3-甲氧基-5,6,8,9,14,14a-六氢吡啶并[3',2':4,5]吡啶并[2,1-a]异喹啉	
C11	3,12-二甲氧基-2-((4-甲氧苄基)氧代)-5,6,8,9,14,14a-六氢吡啶并[3',2':4,5]吡啶并[2,1-a]异喹啉	
C12	3-甲氧基-2-((4-甲氧苄基)氧代)-5,6,8,9,14,14a-六氢吡啶并[3',2':4,5]吡啶并[2,1-a]异喹啉	
C13	3,12-二甲氧基-2-((3-甲氧苄基)氧代)-5,6,8,9,14,14a-六氢吡啶并[3',2':4,5]吡啶并[2,1-a]异喹啉	
C14	3-甲氧基-2-((3-甲氧苄基)氧代)-5,6,8,9,14,14a-六氢吡啶并[3',2':4,5]吡啶并[2,1-a]异喹啉	

C15	3,12-二甲氧基-2-((4-甲基苯甲基)氧代)-5,6,8,9,14,14a-六氢吲哚并[3',2':4,5]吡啶并[2,1-a]异喹啉	
C16	3-甲氧基-2-((4-甲基苯甲基)氧代)-5,6,8,9,14,14a-六氢吲哚并[3',2':4,5]吡啶并[2,1-a]异喹啉	
C17	2-((4-氯苯甲基)氧代)-3,12-二甲氧基-5,6,8,9,14,14a-六氢吲哚并[3',2':4,5]吡啶并[2,1-a]异喹啉	
C18	2-((4-氯苯甲基)氧代)-3-甲氧基-5,6,8,9,14,14a-六氢吲哚并[3',2':4,5]吡啶并[2,1-a]异喹啉	
C19	4-(((3,12-二甲氧基-5,6,8,9,14,14a-六氢吲哚并[3',2':4,5]吡啶并[2,1-a]异喹啉-2-基)氧代)甲基)苯甲腈	
C20	4-(((3-甲氧基-5,6,8,9,14,14a-六氢吲哚并[3',2':4,5]吡啶并[2,1-a]异喹啉-2-基)氧代)甲基)苯甲腈	
C21	2-((4-溴苯甲基)氧代)-3,12-二甲氧基-5,6,8,9,14,14a-六氢吲哚并[3',2':4,5]吡啶并[2,1-a]异喹啉	
C22	2-((4-溴苯甲基)氧代)-3-甲氧基-5,6,8,9,14,14a-六氢吲哚并[3',2':4,5]吡啶并[2,1-a]异喹啉	
C23	2-((3-氟-4-(三氟甲基)苯甲基)氧代)-3,12-二甲氧基-5,6,8,9,14,14a-六氢吲哚并[3',2':4,5]吡啶并[2,1-a]异喹啉	

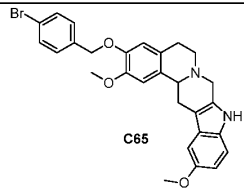
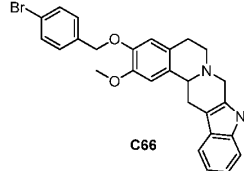
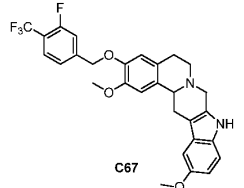
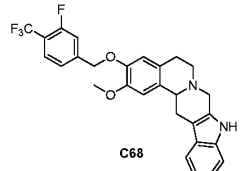
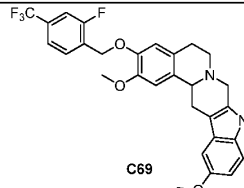
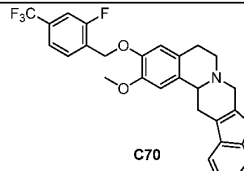
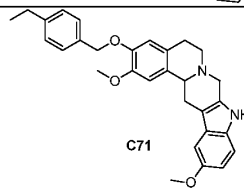
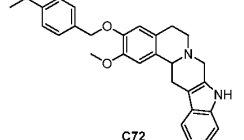
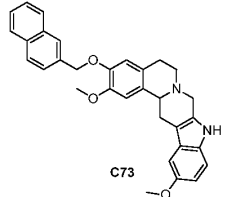
C24	2-((3-氟-4-(三氟甲基)苯甲基)氧代)-3-甲氧基-5,6,8,9,14,14a-六氢吡啶并[3',2':4,5]吡啶并[2,1-a]异喹啉	
C25	2-((2-氟-4-(三氟甲基)苯甲基)氧代)-3,12-二甲氧基-5,6,8,9,14,14a-六氢吡啶并[3',2':4,5]吡啶并[2,1-a]异喹啉	
C26	2-((2-氟-4-(三氟甲基)苯甲基)氧代)-3-甲氧基-5,6,8,9,14,14a-六氢吡啶并[3',2':4,5]吡啶并[2,1-a]异喹啉	
C27	2-((4-乙基苯甲基)氧代)-3,12-二甲氧基-5,6,8,9,14,14a-六氢吡啶并[3',2':4,5]吡啶并[2,1-a]异喹啉	
C28	2-((4-乙基苯甲基)氧代)-3-甲氧基-5,6,8,9,14,14a-六氢吡啶并[3',2':4,5]吡啶并[2,1-a]异喹啉	
C29	3,12-二甲氧基-2-(萘-2-基甲氧基)-5,6,8,9,14,14a-六氢吡啶并[3',2':4,5]吡啶并[2,1-a]异喹啉	
C30	3-甲氧基-2-(萘-2-基甲氧基)-5,6,8,9,14,14a-六氢吡啶并[3',2':4,5]吡啶并[2,1-a]异喹啉	
C31	4-(((3,12-二甲氧基-5,6,8,9,14,14a-六氢吡啶并[3',2':4,5]吡啶并[2,1-a]异喹啉-2-基)氧代)甲基)苯甲酸酯	
C32	4-(((3-甲氧基-5,6,8,9,14,14a-六氢吡啶并[3',2':4,5]吡啶并[2,1-a]异喹啉-2-基)氧代)甲基)苯甲酸酯	

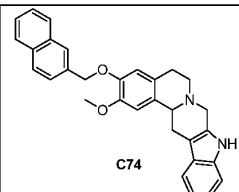
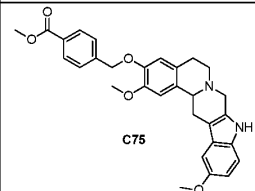
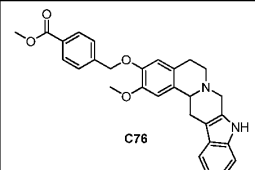
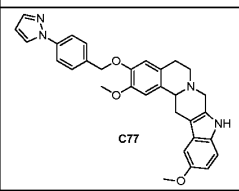
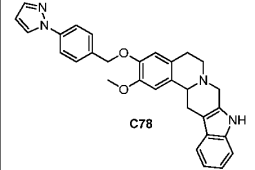
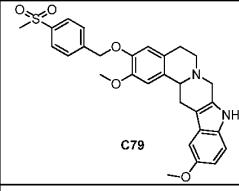
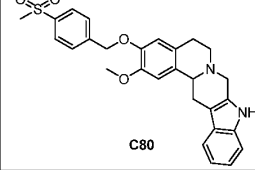
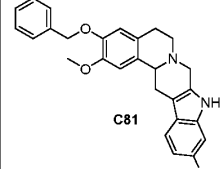
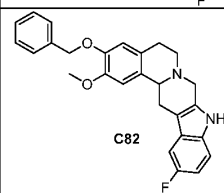
C33	2-((4-(1H-吡唑-1-基)苯甲基)氧代)-3,12-二甲氧基-5,6,8,9,14,14a-六氢吲哚并[3',2':4,5]吡啶并[2,1-a]异喹啉	
C34	2-((4-(1H-吡唑-1-基)苯甲基)氧代)-3-甲氧基-5,6,8,9,14,14a-六氢吲哚并[3',2':4,5]吡啶并[2,1-a]异喹啉	
C35	3-(苄氧基)-11-氟-2-甲氧基-5,6,8,9,14,14a-六氢吲哚并[3',2':4,5]吡啶并[2,1-a]异喹啉	
C36	3-(苄氧基)-12-氟-2-甲氧基-5,6,8,9,14,14a-六氢吲哚并[3',2':4,5]吡啶并[2,1-a]异喹啉	
C37	3-(苄氧基)-13-氟-2-甲氧基-5,6,8,9,14,14a-六氢吲哚并[3',2':4,5]吡啶并[2,1-a]异喹啉	
C38	3-(苄氧基)-11-氯-2-甲氧基-5,6,8,9,14,14a-六氢吲哚并[3',2':4,5]吡啶并[2,1-a]异喹啉	
C39	3-(苄氧基)-12-氯-2-甲氧基-5,6,8,9,14,14a-六氢吲哚并[3',2':4,5]吡啶并[2,1-a]异喹啉	
C40	3-(苄氧基)-13-氯-2-甲氧基-5,6,8,9,14,14a-六氢吲哚并[3',2':4,5]吡啶并[2,1-a]异喹啉	

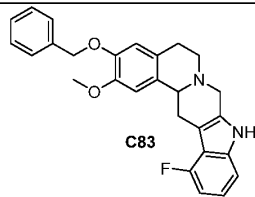
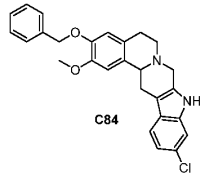
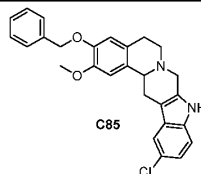
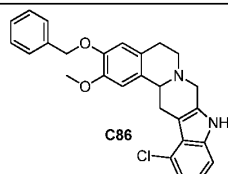
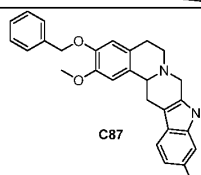
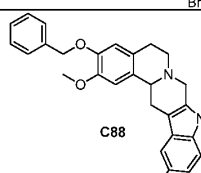
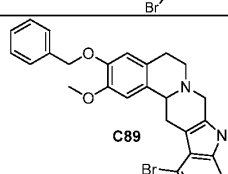
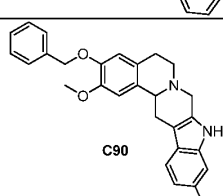
C41	3-(苄氧基)-11-溴-2-甲氧基-5,6,8,9,14,14a-六氢吡啶并[3',2':4,5]吡啶并[2,1-a]异喹啉	
C42	3-(苄氧基)-12-溴-2-甲氧基-5,6,8,9,14,14a-六氢吡啶并[3',2':4,5]吡啶并[2,1-a]异喹啉	
C43	3-(苄氧基)-13-溴-2-甲氧基-5,6,8,9,14,14a-六氢吡啶并[3',2':4,5]吡啶并[2,1-a]异喹啉	
C44	3-(苄氧基)-2-甲氧基-11-甲基-5,6,8,9,14,14a-六氢吡啶并[3',2':4,5]吡啶并[2,1-a]异喹啉	
C45	3-(苄氧基)-12-乙基-2-甲氧基-5,6,8,9,14,14a-六氢吡啶并[3',2':4,5]吡啶并[2,1-a]异喹啉	
C46	3-(苄氧基)-2-甲氧基-5,6,8,9,14,14a-六氢吡啶并[3',2':4,5]吡啶并[2,1-a]异喹啉-12-酚	
C47	2,12-二甲氧基-3-((4-(三氟甲基)苯基)氧代)-5,6,8,9,14,14a-六氢吡啶并[3',2':4,5]吡啶并[2,1-a]异喹啉	

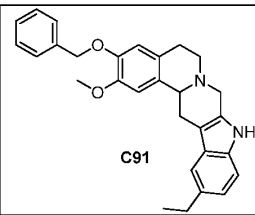
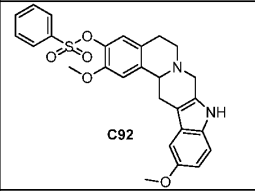
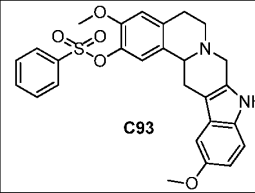
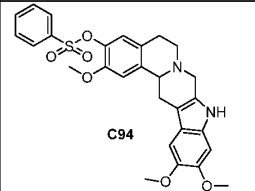
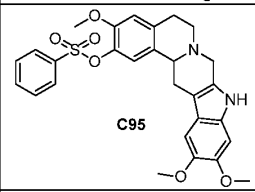
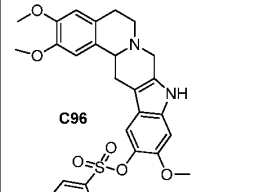
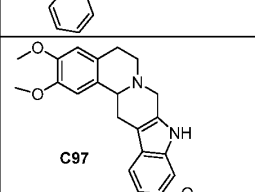
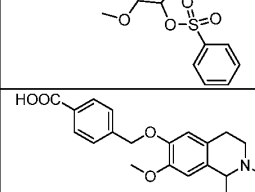
C48	2-甲氧基-3-((4-(三氟甲基)苯基)氧代)-5,6,8,9,14,14a-六氢吡啶并[3',2':4,5]吡啶并[2,1-a]异喹啉	
C49	3-((4-氟苯基)氧代)-2,12-二甲氧基-5,6,8,9,14,14a-六氢吡啶并[3',2':4,5]吡啶并[2,1-a]异喹啉	
C50	3-((4-氟苯基)氧代)-2-甲氧基-5,6,8,9,14,14a-六氢吡啶并[3',2':4,5]吡啶并[2,1-a]异喹啉	
C51	3-((3-氟苯基)氧代)-2,12-二甲氧基-5,6,8,9,14,14a-六氢吡啶并[3',2':4,5]吡啶并[2,1-a]异喹啉	
C52	3-((3-氟苯基)氧代)-2-甲氧基-5,6,8,9,14,14a-六氢吡啶并[3',2':4,5]吡啶并[2,1-a]异喹啉	
C53	3-((2-氟苯基)氧代)-2,12-二甲氧基-5,6,8,9,14,14a-六氢吡啶并[3',2':4,5]吡啶并[2,1-a]异喹啉	
C54	3-((2-氟苯基)氧代)-2-甲氧基-5,6,8,9,14,14a-六氢吡啶并[3',2':4,5]吡啶并[2,1-a]异喹啉	
C55	2,12-二甲氧基-3-((4-甲氧苄基)氧代)-5,6,8,9,14,14a-六氢吡啶并[3',2':4,5]吡啶并[2,1-a]异喹啉	

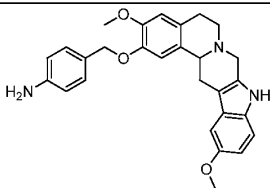
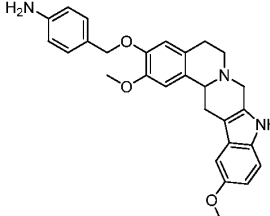
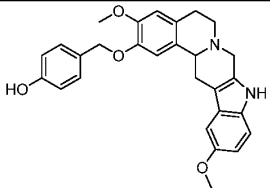
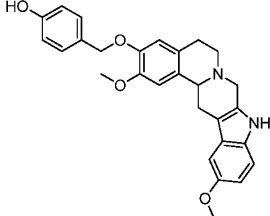
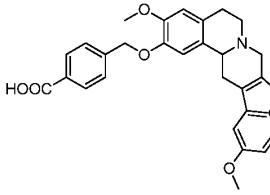
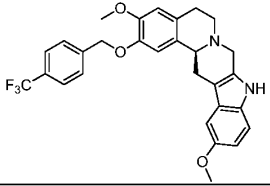
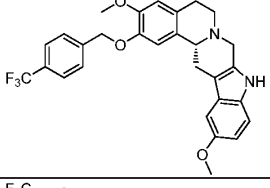
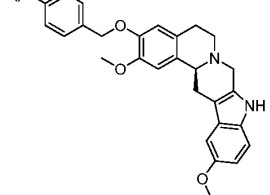
C56	2-甲氧基-3-((4-甲氧苄基)氧代)-5,6,8,9,14,14a-六氢吲哚并[3',2':4,5]吡啶并[2,1-a]异喹啉	
C57	2,12-二甲氧基-3-((3-甲氧苄基)氧代)-5,6,8,9,14,14a-六氢吲哚并[3',2':4,5]吡啶并[2,1-a]异喹啉	
C58	2-甲氧基-3-((3-甲氧苄基)氧代)-5,6,8,9,14,14a-六氢吲哚并[3',2':4,5]吡啶并[2,1-a]异喹啉	
C59	2,12-二甲氧基-3-((4-甲基苄基)氧代)-5,6,8,9,14,14a-六氢吲哚并[3',2':4,5]吡啶并[2,1-a]异喹啉	
C60	2-甲氧基-3-((4-甲基苄基)氧代)-5,6,8,9,14,14a-六氢吲哚并[3',2':4,5]吡啶并[2,1-a]异喹啉	
C61	3-((4-氯苄基)氧代)-2,12-二甲氧基-5,6,8,9,14,14a-六氢吲哚并[3',2':4,5]吡啶并[2,1-a]异喹啉	
C62	3-((4-氯苄基)氧代)-2-甲氧基-5,6,8,9,14,14a-六氢吲哚并[3',2':4,5]吡啶并[2,1-a]异喹啉	
C63	4-(((2,12-二甲氧基-5,6,8,9,14,14a-六氢吲哚并[3',2':4,5]吡啶并[2,1-a]异喹啉-3-基)氧代)甲基)苯甲腈	
C64	4-(((2-甲氧基-5,6,8,9,14,14a-六氢吲哚并[3',2':4,5]吡啶并[2,1-a]异喹啉-3-基)氧代)甲基)苯甲腈	

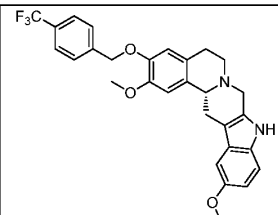
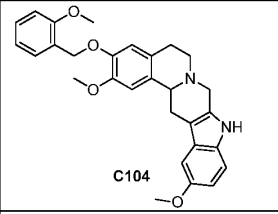
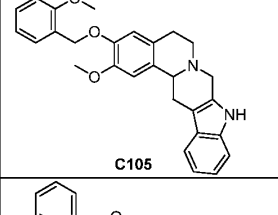
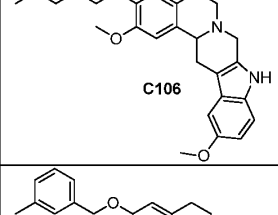
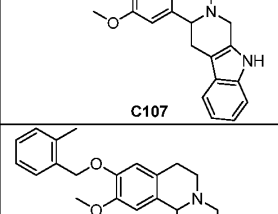
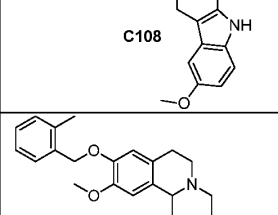
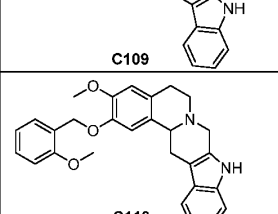
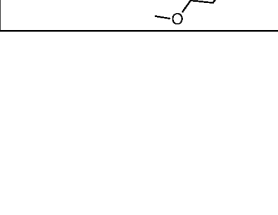
C65	3-((4-溴苯基)氧代)-2,12-二甲氧基-5,6,8,9,14,14a-六氢吡啶并[3',2':4,5]吡啶并[2,1-a]异喹啉	
C66	3-((4-溴苯基)氧代)-2-甲氧基-5,6,8,9,14,14a-六氢吡啶并[3',2':4,5]吡啶并[2,1-a]异喹啉	
C67	3-((3-氟-4-(三氟甲基)苯基)氧代)-2,12-二甲氧基-5,6,8,9,14,14a-六氢吡啶并[3',2':4,5]吡啶并[2,1-a]异喹啉	
C68	3-((3-氟-4-(三氟甲基)苯基)氧代)-2-甲氧基-5,6,8,9,14,14a-六氢吡啶并[3',2':4,5]吡啶并[2,1-a]异喹啉	
C69	3-((2-氟-4-(三氟甲基)苯基)氧代)-2,12-二甲氧基-5,6,8,9,14,14a-六氢吡啶并[3',2':4,5]吡啶并[2,1-a]异喹啉	
C70	3-((2-氟-4-(三氟甲基)苯基)氧代)-2-甲氧基-5,6,8,9,14,14a-六氢吡啶并[3',2':4,5]吡啶并[2,1-a]异喹啉	
C71	3-((4-乙基苯基)氧代)-2,12-二甲氧基-5,6,8,9,14,14a-六氢吡啶并[3',2':4,5]吡啶并[2,1-a]异喹啉	
C72	3-((4-乙基苯基)氧代)-2-甲氧基-5,6,8,9,14,14a-六氢吡啶并[3',2':4,5]吡啶并[2,1-a]异喹啉	
C73	2,12-二甲氧基-3-(萘-2-基甲氧基)-5,6,8,9,14,14a-六氢吡啶并[3',2':4,5]吡啶并[2,1-a]异喹啉	

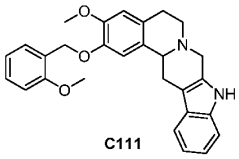
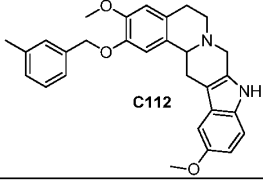
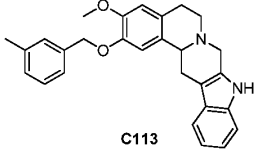
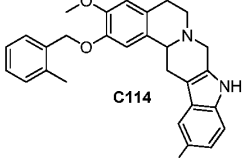
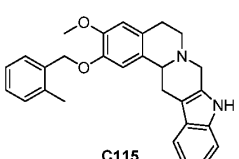
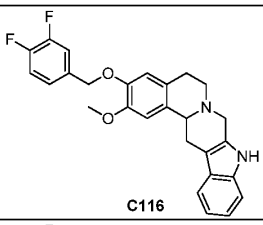
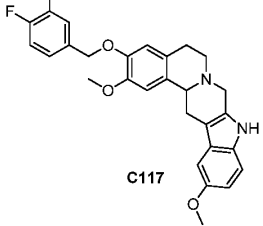
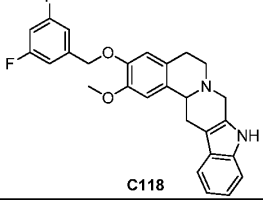
C74	2-甲氧基-3-(萘-2-基甲氧基)-5,6,8,9,14,14a-六氢吲哚并[3',2':4,5]吡啶并[2,1-a]异喹啉	
C75	4-(((2,12-二甲氧基-5,6,8,9,14,14a-六氢吲哚并[3',2':4,5]吡啶并[2,1-a]异喹啉-3-基)氧代)甲基)苯甲酸酯	
C76	4-(((2-甲氧基-5,6,8,9,14,14a-六氢吲哚并[3',2':4,5]吡啶并[2,1-a]异喹啉-3-基)氧代)甲基)苯甲酸酯	
C77	3-(((4-(1H-吡唑-1-基)苯基)氧代)-2,12-二甲氧基-5,6,8,9,14,14a-六氢吲哚并[3',2':4,5]吡啶并[2,1-a]异喹啉	
C78	3-(((4-(1H-吡唑-1-基)苯基)氧代)-2-甲氧基-5,6,8,9,14,14a-六氢吲哚并[3',2':4,5]吡啶并[2,1-a]异喹啉	
C79	2,12-二甲氧基-3-(((4-(甲磺酰)苯基)氧代)-5,6,8,9,14,14a-六氢吲哚并[3',2':4,5]吡啶并[2,1-a]异喹啉	
C80	2-甲氧基-3-(((4-(甲磺酰)苯基)氧代)-5,6,8,9,14,14a-六氢吲哚并[3',2':4,5]吡啶并[2,1-a]异喹啉	
C81	3-(苄氧基)-11-氟-2-甲氧基-5,6,8,9,14,14a-六氢吲哚并[3',2':4,5]吡啶并[2,1-a]异喹啉	
C82	3-(苄氧基)-12-氟-2-甲氧基-5,6,8,9,14,14a-六氢吲哚并[3',2':4,5]吡啶并[2,1-a]异喹啉	

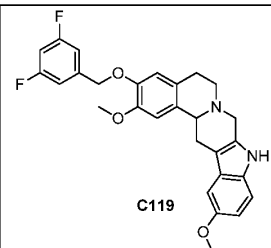
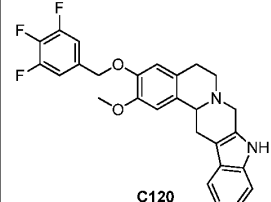
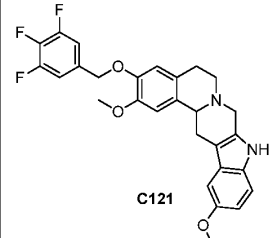
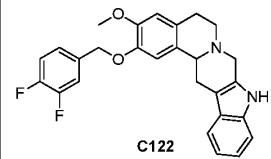
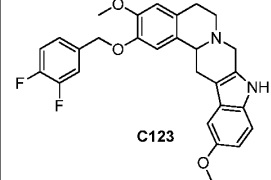
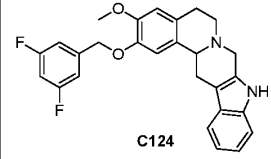
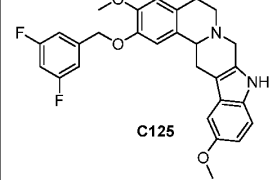
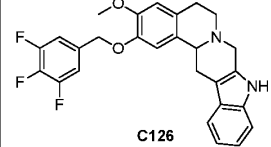
C83	3-(苄氧基)-13-氟-2-甲氧基-5,6,8,9,14,14a-六氢吡啶并[3',2':4,5]吡啶并[2,1-a]异喹啉	
C84	3-(苄氧基)-11-氯-2-甲氧基-5,6,8,9,14,14a-六氢吡啶并[3',2':4,5]吡啶并[2,1-a]异喹啉	
C85	3-(苄氧基)-12-氯-2-甲氧基-5,6,8,9,14,14a-六氢吡啶并[3',2':4,5]吡啶并[2,1-a]异喹啉	
C86	3-(苄氧基)-13-氯-2-甲氧基-5,6,8,9,14,14a-六氢吡啶并[3',2':4,5]吡啶并[2,1-a]异喹啉	
C87	3-(苄氧基)-11-溴-2-甲氧基-5,6,8,9,14,14a-六氢吡啶并[3',2':4,5]吡啶并[2,1-a]异喹啉	
C88	3-(苄氧基)-12-溴-2-甲氧基-5,6,8,9,14,14a-六氢吡啶并[3',2':4,5]吡啶并[2,1-a]异喹啉	
C89	3-(苄氧基)-13-溴-2-甲氧基-5,6,8,9,14,14a-六氢吡啶并[3',2':4,5]吡啶并[2,1-a]异喹啉	
C90	3-(苄氧基)-2-甲氧基-11-甲基-5,6,8,9,14,14a-六氢吡啶并[3',2':4,5]吡啶并[2,1-a]异喹啉	

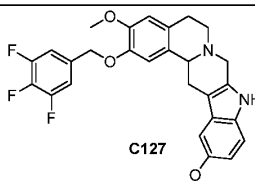
C91	3-(苄氧基)-2-甲氧基-12-乙基-5,6,8,9,14,14a-六氢吡啶并[3',2':4,5]吡啶并[2,1-a]异喹啉	
C92	2,12-二甲氧基-5,6,8,9,14,14a-六氢吡啶并[3',2':4,5]吡啶并[2,1-a]异喹啉-3-基苯磺酸酯	
C93	3,12-二甲氧基-5,6,8,9,14,14a-六氢吡啶并[3',2':4,5]吡啶并[2,1-a]异喹啉-2-基苯磺酸酯	
C94	2,11,12-三甲氧基-5,6,8,9,14,14a-六氢吡啶并[3',2':4,5]吡啶并[2,1-a]异喹啉-3-基苯磺酸酯	
C95	3,11,12-三甲氧基-5,6,8,9,14,14a-六氢吡啶并[3',2':4,5]吡啶并[2,1-a]异喹啉-2-基苯磺酸酯	
C96	2,3,11-三甲氧基-5,6,8,9,14,14a-六氢吡啶并[3',2':4,5]吡啶并[2,1-a]异喹啉-12-基苯磺酸酯	
C97	2,3,12-三甲氧基-5,6,8,9,14,14a-六氢吡啶并[3',2':4,5]吡啶并[2,1-a]异喹啉-11-基苯磺酸酯	
C98	4-(((2,12-二甲氧基-5,6,8,9,14,14a-六氢吡啶并[3',2':4,5]吡啶并[2,1-a]异喹啉-3-基)氧代)甲基)苯甲酸	

C99	4-(((3,12-二甲氧基-5,6,8,9,14,14a-六氢吡啶并[3',2':4,5]吡啶并[2,1-a]异喹啉-2-基)氧代)甲基)苯胺	
C100	4-(((2,12-二甲氧基-5,6,8,9,14,14a-六氢吡啶并[3',2':4,5]吡啶并[2,1-a]异喹啉-3-基)氧代)甲基)苯胺	
C101	4-(((3,12-二甲氧基-5,6,8,9,14,14a-六氢吡啶并[3',2':4,5]吡啶并[2,1-a]异喹啉-2-基)氧代)甲基)苯酚	
C102	4-(((2,12-二甲氧基-5,6,8,9,14,14a-六氢吡啶并[3',2':4,5]吡啶并[2,1-a]异喹啉-3-基)氧代)甲基)苯酚	
C103	4-(((3,12-二甲氧基-5,6,8,9,14,14a-六氢吡啶并[3',2':4,5]吡啶并[2,1-a]异喹啉-2-基)氧代)甲基)苯甲酸	
(S)-C3	S)-3,12-二甲氧基-2-((4-(三氟甲基)苯甲基)氧代)-5,6,8,9,14,14a-六氢吡啶并[3',2':4,5]吡啶并[2,1-a]异喹啉	
(R)-C3	R)-3,12-二甲氧基-2-((4-(三氟甲基)苯甲基)氧代)-5,6,8,9,14,14a-六氢吡啶并[3',2':4,5]吡啶并[2,1-a]异喹啉	
(S)-C47	S)-2,12-二甲氧基-3-((4-(三氟甲基)苯甲基)氧代)-5,6,8,9,14,14a-六氢吡啶并[3',2':4,5]吡啶并[2,1-a]异喹啉	

(R)-C47	R)-2,12-二甲氧基-3-((4-(三氟甲基)苯基)氧代)-5,6,8,9,14,14a-六氢吲哚并[3',2':4,5]吡啶并[2,1-a]异喹啉	
C104	2,12-二甲氧基-3-((2-甲氧苄基)氧代)-5,6,8,9,14,14a-六氢吲哚并[3',2':4,5]吡啶并[2,1-a]异喹啉	
C105	2-甲氧基-3-((2-甲氧苄基)氧代)-5,6,8,9,14,14a-六氢吲哚并[3',2':4,5]吡啶并[2,1-a]异喹啉	
C106	2,12-二甲氧基-3-((3-甲基苄基)氧代)-5,6,8,9,14,14a-六氢吲哚并[3',2':4,5]吡啶并[2,1-a]异喹啉	
C107	2-甲氧基-3-((3-甲基苄基)氧代)-5,6,8,9,14,14a-六氢吲哚并[3',2':4,5]吡啶并[2,1-a]异喹啉	
C108	2,12-二甲氧基-3-((2-甲基苄基)氧代)-5,6,8,9,14,14a-六氢吲哚并[3',2':4,5]吡啶并[2,1-a]异喹啉	
C109	2-甲氧基-3-((2-甲基苄基)氧代)-5,6,8,9,14,14a-六氢吲哚并[3',2':4,5]吡啶并[2,1-a]异喹啉	
C110	3,12-二甲氧基-2-((2-甲氧苄基)氧代)-5,6,8,9,14,14a-六氢吲哚并[3',2':4,5]吡啶并[2,1-a]异喹啉	

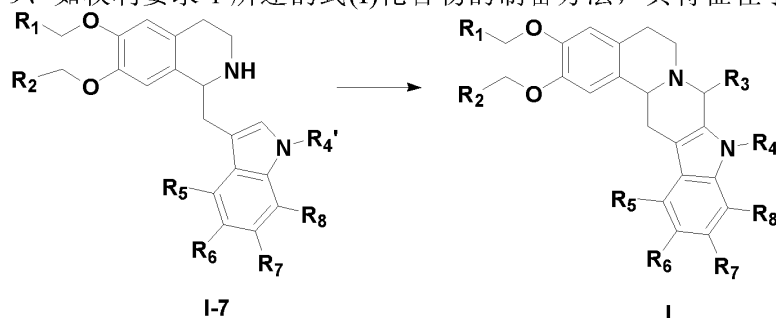
C111	3-甲氧基-2-((2-甲氧苄基)氧代)-5,6,8,9,14,14a-六氢吲哚并[3',2':4,5]吡啶并[2,1-a]异喹啉	
C112	3,12-二甲氧基-2-((3-甲基苄基)氧代)-5,6,8,9,14,14a-六氢吲哚并[3',2':4,5]吡啶并[2,1-a]异喹啉	
C113	3-甲氧基-2-((3-甲基苄基)氧代)-5,6,8,9,14,14a-六氢吲哚并[3',2':4,5]吡啶并[2,1-a]异喹啉	
C114	3,12-二甲氧基-2-((2-甲基苄基)氧代)-5,6,8,9,14,14a-六氢吲哚并[3',2':4,5]吡啶并[2,1-a]异喹啉	
C115	3-甲氧基-2-((2-甲基苄基)氧代)-5,6,8,9,14,14a-六氢吲哚并[3',2':4,5]吡啶并[2,1-a]异喹啉	
C116	2-甲氧基-3-((3,4-二氟苄基)氧代)-5,6,8,9,14,14a-六氢吲哚并[3',2':4,5]吡啶并[2,1-a]异喹啉	
C117	2,12-二甲氧基-3-((3,4-二氟苄基)氧代)-5,6,8,9,14,14a-六氢吲哚并[3',2':4,5]吡啶并[2,1-a]异喹啉	
C118	2-甲氧基-3-((3,5-二氟苄基)氧代)-5,6,8,9,14,14a-六氢吲哚并[3',2':4,5]吡啶并[2,1-a]异喹啉	

C119	2,12-二甲氧基-3-((3,5-二氟苄基)氧代)-5,6,8,9,14,14a-六氢吡啶并[3',2':4,5]吡啶并[2,1-a]异喹啉	
C120	2-甲氧基-3-((3,4,5-三氟苄基)氧代)-5,6,8,9,14,14a-六氢吡啶并[3',2':4,5]吡啶并[2,1-a]异喹啉	
C121	2,12-二甲氧基-3-((3,4,5-三氟苄基)氧代)-5,6,8,9,14,14a-六氢吡啶并[3',2':4,5]吡啶并[2,1-a]异喹啉	
C122	3-甲氧基-2-((3,4-二氟苄基)氧代)-5,6,8,9,14,14a-六氢吡啶并[3',2':4,5]吡啶并[2,1-a]异喹啉	
C123	3,12-二甲氧基-2-((3,4-二氟苄基)氧代)-5,6,8,9,14,14a-六氢吡啶并[3',2':4,5]吡啶并[2,1-a]异喹啉	
C124	3-甲氧基-2-((3,5-二氟苄基)氧代)-5,6,8,9,14,14a-六氢吡啶并[3',2':4,5]吡啶并[2,1-a]异喹啉	
C125	3,12-二甲氧基-2-((3,5-二氟苄基)氧代)-5,6,8,9,14,14a-六氢吡啶并[3',2':4,5]吡啶并[2,1-a]异喹啉	
C126	3-甲氧基-2-((3,4,5-三氟苄基)氧代)-5,6,8,9,14,14a-六氢吡啶并[3',2':4,5]吡啶并[2,1-a]异喹啉	

C127	3,12-二甲氧基-2-((3,4,5-三氟苄基)氧代)-5,6,8,9,14,14a-六氢吡啶并[3',2':4,5]吡啶并[2,1-a]异喹啉	
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8、一种 PCSK9 抑制剂，其特征在于，所述的抑制剂包括如权利要求 1~6 中任一所述的化合物，其对映异构体、非对映异构体、外消旋体及其混合物，以及其药学上可接受的盐、结晶水合物及溶剂合物。

9、如权利要求 1 所述的式(I)化合物的制备方法，其特征在于，包括步骤：



在惰性溶剂中，在甲酸存在下，用 R_3 -CHO 与式 I-7 化合物反应，得到所述的式 I 化合物；

其中， R_4' 定义同 R_4 ，且两者可相同或不同；

其余各基团的定义如权利要求 1 中所述。

10、一种药物组合物，其特征在于，包括：(A) 治疗有效量的如权利要求 1 所述的化合物，其对映异构体、非对映异构体、外消旋体及其混合物，以及其药学上可接受的盐、结晶水合物及溶剂合物中的一种或多种；和(B) 药学上可接受的载体。

11、如权利要求 1 所述的化合物、其对映异构体、非对映异构体、外消旋体及其混合物以及其药学上可接受的盐、结晶水合物及溶剂合物的用途，其特征在于，用于制备：

- (i) 治疗与前蛋白转化酶枯草杆菌蛋白酶 Kexin-9 型(PCSK9)相关的疾病的药物，其中所述 PCSK9 相关的疾病包括预防和治疗高脂血症、高胆固醇血症、高甘油三酯血症、脂肪肝变形、动脉粥样硬化、肥胖等代谢性疾病；
- (ii) 降低总胆固醇、LDL-胆固醇，和/或甘油三酯的药物；
- (iii) 增加肝 LDL 受体表达、抑制 PCSK9 表达，和/或活化 AMP 活化的蛋白激酶的药物。