

- [pyridin-6-yl} (3-hydroxyazetidin-1-yl)methanone;
- 2) 1-{8-[(2,6-dimethylbenzyl)amino]-2,3-dimethylimidazo[1,2-a]pyridine-6-carbonyl}azetidin-3-yl acetate;
- 3) {8-[(2,6-dimethylbenzyl)amino]-2,3-dimethylimidazo[1,2-a]pyridin-6-yl} (3-methoxyazetidin-1-yl)methanone;
- 4) {8-[(2,6-dimethylbenzyl)amino]-2,3-dimethylimidazo[1,2-a]pyridin-6-yl} (3-ethoxyazetidin-1-yl)methanone;
- 5) {8-[(2,6-dimethylbenzyl)amino]-2,3-dimethylimidazo[1,2-a]pyridin-6-yl} [3-(2-methoxyethoxy)azetidin-1-yl]methanone;
- 6) azetidin-1-yl{8-[(2,6-dimethylbenzyl)amino]-2,3-dimethylimidazo[1,2-a]pyridin-6-yl}methanone;
- 7) {8-[(2,6-dimethylbenzyl)amino]-2,3-dimethylimidazo[1,2-a]pyridin-6-yl} (3-fluoroazetidin-1-yl)methanone;
- 8) {8-[(2,6-dimethylbenzyl)amino]-2,3-dimethylimidazo[1,2-a]pyridin-6-yl} (3-methylazetidin-1-yl)methanone;
- 9) {8-[(2,6-dimethylbenzyl)amino]-2,3-dimethylimidazo[1,2-a]pyridin-6-yl} (3-hydroxy-3-methylazetidin-1-yl)methanone;
- 10) methyl 1-{8-[(2,6-dimethylbenzyl)amino]-2,3-dimethylimidazo[1,2-a]pyridine-6-carbonyl}azetidine-3-carboxylate;
- 11) {8-[(2,6-dimethylbenzyl)amino]-2,3-dimethylimidazo [1,2-a]pyridin-6-yl} [3-(hydroxymethyl)azetidin-1-yl]methanone;
- 12) {8-[(2,6-dimethylbenzyl)amino]-2,3-dimethylimidazo[1,2-a]pyridin-6-yl} [3-(methoxymethyl)azetidin-1-yl]methanone;
- 13) {8-[(2,6-dimethylbenzyl)amino]-2,3-dimethylimidazo [1,2-a]pyridin-6-yl} [3-fluoro-3-(hydroxymethyl)azetidin-1-yl]methanone;
- 14) {8-[(2,6-dimethylbenzyl)amino]-2,3-dimethylimidazo [1,2-a]pyridin-6-yl} [3-(hydroxymethyl)-3-methylazetidin-1-yl]methanone;
- 15) {8-[(2,6-dimethylbenzyl)amino]-2,3-dimethylimidazo [1,2-a]pyridin-6-yl} [3-(1-hydroxyethyl)azetidin-1-yl]methanone;
- 16) {8-[(2,6-dimethylbenzyl)amino]-2,3-dimethylimidazo [1,2-a]pyridin-6-yl} [3-(2-hydroxypropan-2-yl)azetidin-1-yl]methanone;
- 17) {8-[(2,6-dimethylbenzyl)amino]-2,3-dimethylimidazo [1,2-a]pyridin-6-yl} [2-(hydroxymethyl)azetidin-1-yl]methanone;
- 18) 1-{1-[8-({2,6-dimethylbenzyl)amino)-2,3-dimethylimidazo[1,2-a]pyridine-6-carbonyl}azetidin-3-yl}ethanone;
- 19) {8-[(2,6-dimethylbenzyl)amino]-2,3-dimethylimidazo[1,2-a]pyridin-6-yl} [3-(methylsulfonyl)azetidin-1-yl]methanone;
- 20) {8-[(2,6-dimethylbenzyl)amino]-2,3-dimethylimidazo[1,2-a]

B is C₁-C₃ straight or branched chain alkyl;
 Y⁴ is H, C₁-C₃ straight or branched chain alkyl, or C₁-C₃ alkoxy;
 and
 X is H, F, or Cl.

【Claim 3】

The imidazo[1,2-a]pyridine derivative or the pharmaceutically acceptable salt thereof according to claim 2, wherein

Y¹ is H;
 Y² and Y³ are each independently H, F, Cl, a C₁-C₂ straight or branched chain alkyl unsubstituted or substituted with R¹, or hydroxy;
 R¹ is hydroxy;
 Y⁴ is H or C₁-C₂ straight or branched chain alkyl; and
 X is H or F.

【Claim 4】

The imidazo[1,2-a]pyridine derivative or the pharmaceutically acceptable salt thereof according to claim 3, wherein

Y¹ is H;
 Y² and Y³ are each independently H, F, methyl, hydroxymethyl, or hydroxy;
 Y⁴ is H or methyl; and
 X is H or F.

【Claim 5】

The imidazo[1,2-a]pyridine derivative or the pharmaceutically acceptable salt thereof according to claim 1, wherein the derivative represented by formula 1 is selected from the group consisting of the following compounds:

- 1) {8-[(2,6-dimethylbenzyl)amino]-2,3-dimethylimidazo[1,2-a]pyridin-6-yl}(3-hydroxyazetidin-1-yl)methanone;
- 2) 1-{8-[(2,6-dimethylbenzyl)amino]-2,3-dimethylimidazo[1,2-a]pyridine-6-carbonyl}azetidin-3-yl acetate;
- 3) {8-[(2,6-dimethylbenzyl)amino]-2,3-dimethylimidazo[1,2-a]pyridin-6-yl}(3-methoxyazetidin-1-yl)methanone;
- 4) {8-[(2,6-dimethylbenzyl)amino]-2,3-dimethylimidazo[1,2-a]pyridin-6-yl}(3-ethoxyazetidin-1-yl)methanone;
- 5) {8-[(2,6-dimethylbenzyl)amino]-2,3-dimethylimidazo[1,2-a]pyridin-6-yl}[3-(2-methoxyethoxy)azetidin-1-yl]methanone;
- 6) azetidin-1-yl{8-[(2,6-dimethylbenzyl)amino]-2,3-dimethylimidazo[1,2-a]pyridin-6-yl}methanone;
- 7) {8-[(2,6-dimethylbenzyl)amino]-2,3-dimethylimidazo[1,2-a]pyridin-6-yl}(3-fluoroazetidin-1-yl)methanone;
- 8) {8-[(2,6-dimethylbenzyl)amino]-2,3-dimethylimidazo[1,2-a