



Product Information

PDE inhibitor, THPP-1, Purity ≥98%

Cat. No.: X24-09-YM060

Size: 5 mg; 10 mg; 50 mg; 100 mg

CAS Number: 1257051-63-0

Compound CID: 49821991

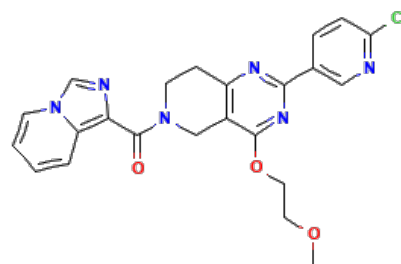
Synonym: 1257051-63-0; THPP1; THPP 1;

[2-(6-Chloropyridin-3-yl)-4-

(2-methoxyethoxy)-7,8-dihydro-5H

-pyrido[4,3-d]pyrimidin-6-yl]-imidazo[1,5-a]pyridin-1-ylmethanone; PDE inhibitor

This product is for research use only and is not intended for diagnostic use.



Product Information

Description	THPP-1 is an effective metabolism inhibitor, that has the ability to prevent the pathway of cell metabolism by inhibiting PDE. The molecular weight of the compound is 464.9, and its molecular formula is C ₂₃ H ₂₁ ClN ₆ O ₃ .
Molecular Weight	464.9
Molecular Formula	C ₂₃ H ₂₁ ClN ₆ O ₃
IUPAC Name	[2-(6-Chloropyridin-3-yl)-4-(2-methoxyethoxy)-7,8-dihydro-5H-pyrido[4,3-d]pyrimidin-6-yl]-imidazo[1,5-a]pyridin-1-ylmethanone
InChI	InChI=1S/C23H21ClN6O3/c1-32-10-11-33-22-16-13-29(23(31)20-18-4-2-3-8-30(18)14-26-20)9-7-17(16)27-21(28-22)15-5-6-19(24)25-12-15/h2-6,8,12,14H,7,9-11,13H2,1H3
InChI Key	JBHLOPKIPKTRSU-UHFFFAOYSA-N
Canonical SMILES	COCCOC1=NC(=NC2=C1CN(CC2)C(=O)C3=C4C=CC=CN4C=N3)C5=CN=C(C=C5)Cl
Isomeric SMILES	C[C@H]1C[C@@H]([C@@H]([C@H]/C=C/[C@@H]([C@H]/C=C/C(=O)NC2=CC(=O)C(=C(C1)C2=O)NCCN(C)C)/C)OC(=O)N\C)C)O)OC.Cl
Form	Lyophilized powder
Purity	≥98%
Impurities	Free from inappropriate visible particulates, foreign matter, discoloration, or other defects.
Identity	Confirmed by NMR/HPLC/MS.
Stability	In its lyophilized form, the chemical remains stable for 36 months.
Quality Level	Research grade



Applications

THPP-1 can be studied extensively for its potential therapeutic applications in the treatment of type 2 diabetes, obesity, and insulin resistance.

Storage

Store at -20°C, and keep desiccated.
