



Product Information

MHP 133

Cat. No.: X23-12-YM343

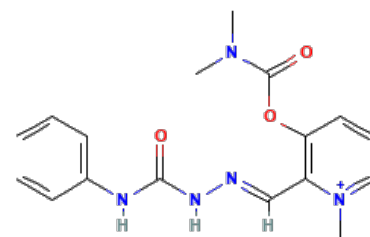
Size: 1 mg; 5 mg; 10 mg; 50 mg

CAS Number: 147340-43-0

PubChem CID: 9864528

Synonym: 147340-43-0;

[1-Methyl-2-[(E)-(phenylcarbamoylhydrazinylidene)methyl]pyridin-1-ium-3-yl] N, N-dimethylcarbamate;chloride



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

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Product Information

Description	MHP 133 inhibits the signaling pathway between G-protein-coupled receptors (GPCRs) and G proteins. It targets 5-HT4 receptor, AChE, muscarinic M1 receptor, and muscarinic M2 receptor.
Molecular Weight	377.83
Molecular Formula	C ₁₇ H ₂₀ ClN ₅ O ₃
Targets	5-HT4 receptor; AChE: 69 μM; Muscarinic M1 receptor; Muscarinic M2 receptor
IUPAC Name	[1-Methyl-2-[(E)-(phenylcarbamoylhydrazinylidene)methyl]pyridin-1-ium-3-yl] N, N-dimethylcarbamate;chloride
InChI	InChI=1S/C17H19N5O3.ClH/c1-21(2)17(24)25-15-10-7-11-22(3)14(15)12-18-20-16(23)19-13-8-5-4-6-9-13;/h4-12H, 1-3H3, (H, 19, 23);1H
InChI Key	MCOVMZDBWGMPPGM-UHFFFAOYSA-N
Canonical SMILES	<chem>C[N+]1=CC=CC(=C1C=NNC(=O)NC2=CC=CC=C2)OC(=O)N(C)C.[Cl-]</chem>
Isomeric SMILES	<chem>C[N+]1=CC=CC(=C1/C=N/NC(=O)NC2=CC=CC=C2)OC(=O)N(C)C.[Cl-]</chem>
Form	Lyophilized powder
Purity	>98%
Stability	The product is stable for three years when stored at the recommended temperature in lyophilized powder.
Applications	MHP 133 can be used to research and develop therapeutic strategies for certain diseases that involve excessive activation of GPCR-G protein signaling pathways.
Storage	Store at -20°C, and keep desiccated.