

H3R antagonist 2

Chemical Properties

CAS No. :

Formula: C₂₄H₂₉N₃O₃

Molecular Weight: 379.49

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.

Biological Description

Description	H3R antagonist 2 (Compound 23) is a multitarget histamine H3 receptor antagonist with inhibitory effects on acetylcholinesterase, butyrylcholinesterase, and human monoamine oxidase B (hMAO B) with IC ₅₀ values of 180 nM, 880 nM, and 775 nM, respectively. With a K _i of 170 nM for hH3R, it demonstrates favorable anti-neuropathic pain and memory-enhancing effects and can cross the blood-brain barrier (BBB) [1].
Targets(IC ₅₀)	Others,Histamine Receptor,Cholinesterase (ChE),Monoamine Oxidase

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.6351 mL	13.1756 mL	26.3512 mL
5 mM	0.527 mL	2.6351 mL	5.2702 mL
10 mM	0.2635 mL	1.3176 mL	2.6351 mL
50 mM	0.0527 mL	0.2635 mL	0.527 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

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