

ROS 234

## Chemical Properties

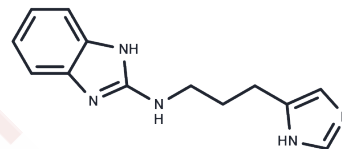
CAS No. : 184576-87-2

Formula: C<sub>13</sub>H<sub>15</sub>N<sub>5</sub>

Molecular Weight: 241.29

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	ROS 234 is a highly effective H3 antagonist, demonstrating a strong binding affinity (pK <sub>B</sub> ) of 9.46 for the Guinea-pig ileum H3 receptor and a pK <sub>i</sub> of 8.90 for the Rat cerebral cortex H3 receptor. Additionally, it exhibits an ex vivo ED <sub>50</sub> of 19.12 mg/kg (ip) in the Rat cerebral cortex. It should be noted that ROS 234 demonstrates limited central access, as reported in [1] and [2].
Targets(IC50)	Others,Histamine Receptor
In vivo	Centrally injected with ROS 234 significantly shortens pentobarbital narcosis [1].

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.1444 mL	20.722 mL	41.4439 mL
5 mM	0.8289 mL	4.1444 mL	8.2888 mL
10 mM	0.4144 mL	2.0722 mL	4.1444 mL
50 mM	0.0829 mL	0.4144 mL	0.8289 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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