

ROS 234 dioxalate

Chemical Properties

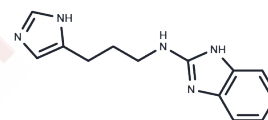
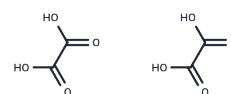
CAS No. : 1781941-93-2

Formula: C17H19N5O8

Molecular Weight: 421.37

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 dioxalate is a potent antagonist of H3 (pKB of 9.46 for Guinea-pig ileum H3-receptor).
Targets(IC50)	Histamine Receptor
In vivo	ROS 234 significantly shortens pentobarbital narcosis[1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.3732 mL	11.8661 mL	23.7321 mL
5 mM	0.4746 mL	2.3732 mL	4.7464 mL
10 mM	0.2373 mL	1.1866 mL	2.3732 mL
50 mM	0.0475 mL	0.2373 mL	0.4746 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.

Reference

Ballabeni V, et al. CNS access of selected H3-antagonists: ex vivo binding study in rats. *Inflamm Res.* 2002 Apr;51 Suppl 1:S55-6.

Mor M, et al. Synthesis, biological activity, QSAR and QSPR study of 2-aminobenzimidazole derivatives as potent H3-antagonists. *Bioorg Med Chem.* 2004 Feb 15;12(4):663-74.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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