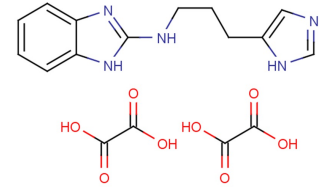


Data Sheet (Cat.No.T12756)

ROS 234 dioxalate

Chemical Properties

CAS No.:	1781941-93-2
Formula:	C17H19N5O8
Molecular Weight:	421.36
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



Biological Description

Description	ROS 234 dioxalate is a potent antagonist of H3(pKB of 9.46 for Guinea-pig ileum H3-receptor)
Targets(IC ₅₀)	H2 Receptor: 8.9(pKi, Rat cerebral cortex H3-receptor)
In vivo	ROS 234 significantly shortens pentobarbital narcosis[1].

Solubility Information

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.373 mL	11.866 mL	23.733 mL
5 mM	0.475 mL	2.373 mL	4.747 mL
10 mM	0.237 mL	1.187 mL	2.373 mL
50 mM	0.047 mL	0.237 mL	0.475 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

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.

Inhibitors · Natural Compounds · Compound Libraries

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