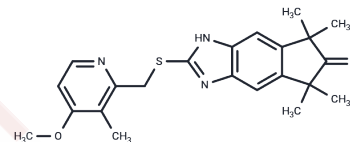


Ro18-5362

Chemical Properties

CAS No. : 101387-97-7
 Formula: C₂₂H₂₅N₃O₂S
 Molecular Weight: 395.52
 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	Ro18-5362 is the less active prodrug of Ro 18-5364.
Targets(IC50)	ATPase,Others
In vitro	Marked differences in inhibitory activity are observed between Ro 18-5364 (sulfoxide) and Ro 18-5362 (sulfide)[1]. Ro 18-5364, a potential metabolite of the IND Ro 18-5362, is a potent inhibitor of gastric mucosal (H ⁺ +K ⁺)-ATPase, reducing enzymatic activity with an apparent K _i of 0.1 μM[2].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.5283 mL	12.6416 mL	25.2832 mL
5 mM	0.5057 mL	2.5283 mL	5.0566 mL
10 mM	0.2528 mL	1.2642 mL	2.5283 mL
50 mM	0.0506 mL	0.2528 mL	0.5057 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

Sigrist-Nelson K, et al. Ro 18-5364, a potent new inhibitor of the gastric (H⁺ + K⁺)-ATPase. Eur J Biochem. 1987 Jul 15;166(2):453-9.

Sigrist-Nelson K, et al. Gastric (H⁺ + K⁺)-ATPase: modulation of the inhibitory properties of the novel potent antisecretagogue Ro 18-5364 by sulfhydryl reagents and nucleotides. FEBS Lett. 1986 Mar 3;197(1-2):187-91.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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