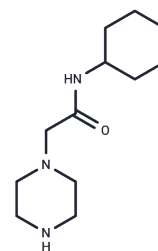


Esaprazole

Chemical Properties

CAS No. :	64204-55-3
Formula:	C ₁₂ H ₂₃ N ₃ O
Molecular Weight:	225.33
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	Esaprazole (C/63) has a dose - dependent cellular protective effect on the human gastric mucosa.
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: 70 mg/mL (310.66 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.4379 mL	22.1897 mL	44.3794 mL
5 mM	0.8876 mL	4.4379 mL	8.8759 mL
10 mM	0.4438 mL	2.219 mL	4.4379 mL
50 mM	0.0888 mL	0.4438 mL	0.8876 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

- Ardizzone S, Sangaletti O, Ghirardosi C, Bianchi Porro G. Effect of esaprazole on gastric mucosal potential difference after oral administration of aspirin (ASA). *J Int Med Res.* 1986;14(6):321-
- Dal Santo PL, Vianello F, Germana B, Dotto P, Laino G, Del Bianco T, Plebani M, Leandro G, Savarino V, Di Mario F. Esaprazole effect on acid, peptic and alkaline secretion in duodenal ulcer patients. *Z Gastroenterol.* 1993 Jan;31(1):11-PubMed PMID: 8447149.
- Blandizzi C, Mengozzi G, Intorre L, Natale G, Soldani G, Del Tacca M. Inhibitory cholinergic effects of esaprazole on gastric secretion and plasma gastrin levels in the dog. *Pharmacology.* 1993 Apr;46(4):231-40. PubMed PMID: 8483969.
- Blandizzi C, Natale G, De Bona M, Del Tacca M. Gastric antisecretory effects of esaprazole in rats. *Digestion.* 1992; 51(4):226-3PubMed PMID: 1356865.

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