Data Sheet (Cat.No.T21651)

TargetMol

Lansoprazole sodium

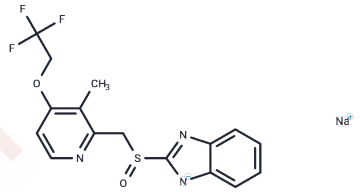
Chemical Properties

CAS No. : 226904-00-3

Formula: C16H13F3N3NaO2S

Molecular Weight: 391.34

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	Lansoprazole sodium (Lansoprazole (sodium)) is a proton pump inhibitor (PPI) and a potent inhibitor of gastric acidity which is widely used in the therapy of gastroesophageal reflux and peptic ulcer disease.
Targets(IC50)	Proton pump,Antibacterial,Phospholipase
In vivo	Repeated administration of lansoprazole to humans induces the hepatic microsomal P-450-dependent drug oxidation system that mediates N-1-demethylation of theophylline, consequently increasing its metabolism[1].

Solubility Information

Solubility	DMSO: 60 mg/mL (153.32 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.5553 mL	12.7766 mL	25.5532 mL
5 mM	0.5111 mL	2.5553 mL	5.1106 mL
10 mM	0.2555 mL	1.2777 mL	2.5553 mL
50 mM	0.0511 mL	0.2555 mL	0.5111 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

Kokufu T , Ihara N , Sugioka N , et al. Effects of lansoprazole on pharmacokinetics and metabolism of theophylline[J]. European Journal of Clinical Pharmacology, 1995, 48(5):391-5.

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