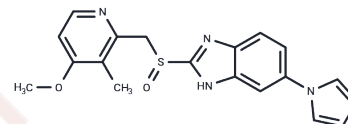


Ilaprazole

Chemical Properties

CAS No. :	172152-36-2
Formula:	C ₁₉ H ₁₈ N ₄ O ₂ S
Molecular Weight:	366.44
Storage:	Powder: -20°C for 3 years Actual storage temperature shall be subject to the COA.



Biological Description

Description	Ilaprazole (IY-81149) is a proton pump inhibitor used in the treatment of dyspepsia gastroesophageal reflux disease (GORD/GERD) and duodenal ulcer. Studies also showed that Ilaprazole significantly prevented the development of reflux oesophagitis.
Targets(IC50)	Proton pump, TOPK

Solubility Information

Solubility	DMSO: 60 mg/mL (163.74 mM), Sonication is recommended. Ethanol: 12.5 mg/mL (34.11 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	2.729 mL	13.6448 mL	27.2896 mL
5 mM	0.5458 mL	2.729 mL	5.4579 mL
10 mM	0.2729 mL	1.3645 mL	2.729 mL
50 mM	0.0546 mL	0.2729 mL	0.5458 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

- Zhou G, Shi S, Zhang W, Tan Z, Chen Y, Guo D, Zhou H, Hu H, Tan J. Identification of ilaprazole metabolites in human urine by HPLC-ESI-MS/MS and HPLC-NMR experiments. Biomed Chromatogr. 2010 Oct;24(10):1130-5. doi: 10.1002/bmc.1416. PubMed PMID: 20352613.
- Scarpignato C, Pelosini I, Di Mario F. Acid suppression therapy: where do we go from here? Dig Dis. 2006;24(1-2): 11-46. Review. PubMed PMID: 16699262.

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