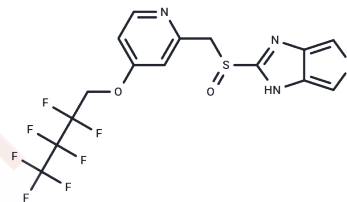


## Saviprazole

## Chemical Properties

CAS No. :	121617-11-6
Formula:	C <sub>15</sub> H <sub>10</sub> F <sub>7</sub> N <sub>3</sub> O <sub>2</sub> S <sub>2</sub>
Molecular Weight:	461.38
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	Saviprazole (Hoe-731), a proton pump inhibitor, is used potentially for treatment of gastric ulcer.
Targets(IC50)	Proton pump

## Solubility Information

Solubility	DMSO: 5 mg/mL (10.84 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	2.1674 mL	10.8371 mL	21.6741 mL
5 mM	0.4335 mL	2.1674 mL	4.3348 mL
10 mM	0.2167 mL	1.0837 mL	2.1674 mL
50 mM	0.0433 mL	0.2167 mL	0.4335 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

- Herling AW, et al. Gastric acid inhibitory profile of saviprazole (HOE 731) compared to omeprazole. *Pharmacology*. 1991;43(6):293-303.
- Weidmann K, et al. 2-[(2-pyridylmethyl)sulfinyl]-1H-thieno[3,4-d]imidazoles. A novel class of gastric H<sup>+</sup>/K<sup>+</sup>-ATPase inhibitors. *J Med Chem*. 1992 Feb 7;35(3):438-50. PMID: 1310742.

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