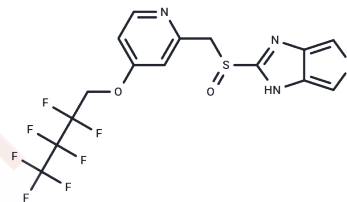


## Saviprazole

## 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<br>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.<br>(< 1 mg/ml refers to the product slightly soluble or insoluble) |
|------------|---|

## 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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