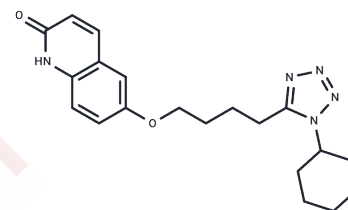


3,4-Dehydro Cilostazol

Chemical Properties

| | |
|-------------------|--|
| CAS No. : | 73963-62-9 |
| Formula: | C ₂₀ H ₂₅ N ₅ O ₂ |
| Molecular Weight: | 367.44 |
| Storage: | Store at low temperature Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small> |



Biological Description

| | |
|---------------|---|
| Description | 3,4-Dehydro Cilostazol (OPC-13015) is an active metabolite of Cilostazol used for pharmacokinetic studies. Cilostazol is a selective PDE3A inhibitor. |
| Targets(IC50) | Drug Metabolite,PDE |

Solubility Information

| | |
|------------|--|
| Solubility | DMSO: 4 mg/mL (10.89 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble) |
|------------|--|

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|------------|------------|
| 1 mM | 2.7215 mL | 13.6077 mL | 27.2153 mL |
| 5 mM | 0.5443 mL | 2.7215 mL | 5.4431 mL |
| 10 mM | 0.2722 mL | 1.3608 mL | 2.7215 mL |
| 50 mM | 0.0544 mL | 0.2722 mL | 0.5443 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

T R S Satheeshmanikandan, et al. Liquid Chromatography - Tandem Mass Spectrometry for the Simultaneous Quantitation of Glipizide, Cilostazol and Its Active Metabolite 3, 4-dehydro-cilostazol in Rat Plasma: Application for a Pharmacokinetic Study. *Arzneimittelforschung*. 2012 Sep;62(9):425-32.

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