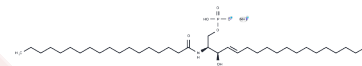


C18 Ceramide-1-phosphate (d18:1/18:0) ammonium

Chemical Properties

| | |
|-------------------|---|
| CAS No. : | 384835-48-7 |
| Formula: | C ₃₆ H ₇₁ NO ₆ P.NH ₄ |
| Molecular Weight: | 662.96 |
| 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 | C18 Ceramide-1-phosphate (d18:1/18:0) is a long-chain molecule identified in murine skin, promoting the migration of mouse bone marrow-derived multipotent stromal cells and human umbilical vein endothelial cells (HUVECs) at concentrations of 0.5 to 5 μM. It exhibits elevated levels in CFPAC-1 pancreatic ductal adenocarcinoma cells compared to pancreatic cancer stem cells, and its myocardial concentration is heightened in Langendorff isolated perfused mouse hearts under an ex vivo ischemia model. |
| Targets(IC50) | Others,Endogenous Metabolite |

Solubility Information

| | |
|------------|--|
| Solubility | CHCl ₃ :MeOH:H ₂ O (10:15:1): 1 mg/mL (1.51 mM),Sonication is recommended. Methanol: Soluble CHCl ₃ :MeOH:H ₂ O: 1 mg/mL (1.51 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble) |
|------------|--|

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|-----------|------------|
| 1 mM | 1.5084 mL | 7.5419 mL | 15.0839 mL |
| 5 mM | 0.3017 mL | 1.5084 mL | 3.0168 mL |
| 10 mM | 0.1508 mL | 0.7542 mL | 1.5084 mL |
| 50 mM | 0.0302 mL | 0.1508 mL | 0.3017 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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