

Phacolysine

Chemical Properties

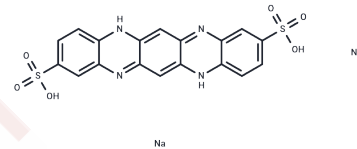
CAS No. : 3863-80-7

Formula: C₁₈H₁₀N₄Na₂O₆S₂

Molecular Weight: 488.39

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 | Phacolysine is a chemical compound. Phacolysine is used in ophthalmologic eye lotions. |
| Targets(IC50) | Others |

Solubility Information

| | |
|------------|--|
| Solubility | DMSO: Soluble, (< 1 mg/ml refers to the product slightly soluble or insoluble) |
|------------|--|

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|------------|------------|
| 1 mM | 2.0475 mL | 10.2377 mL | 20.4754 mL |
| 5 mM | 0.4095 mL | 2.0475 mL | 4.0951 mL |
| 10 mM | 0.2048 mL | 1.0238 mL | 2.0475 mL |
| 50 mM | 0.041 mL | 0.2048 mL | 0.4095 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

Yu X, Liao Z, Yao Q, Liu H, Xie W. Spectroscopic studies on the interaction of Phacolysin and bovine serum albumin. Spectrochim Acta A Mol Biomol Spectrosc. 2014 Jun 5;127:231-6. doi: 10.1016/j.saa.2014.02.064. Epub 2014 Feb 27. PubMed PMID: 24632176.

Shvachko AG, Formaziuk VE, Sergienko VI. [Chemiluminescence decrease of singlet oxygen in NaClO+H2O2 reaction in the presence of different anti-cataract drugs]. Biull Eksp Biol Med. 1991 Jul;112(7):42-4. Russian. PubMed PMID: 1793850.

Maichuk IuF, Bazukina LP, Orlovskaja LE, Lapshina NA, Khaitova KN, Iakushina LN. [Use of phacolin in patients with allergic reaction to anti-cataract eye drops]. Vestn Oftalmol. 1991 May-Jun;107(3):68-71. Russian. PubMed PMID: 1755171.

Svachko AG, Formaziuk VE, Sergienko VI. [Decrease of singlet oxygen chemiluminescence by the presence of carnosine]. Biull Eksp Biol Med. 1990 Aug;110(8):155-7. Russian. PubMed PMID: 2291961.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481