

Phacolysine

Chemical Properties

CAS No.:	3863-80-7
Formula:	C ₁₈ H ₁₀ N ₄ Na ₂ O ₆ S ₂
Molecular Weight:	488.39
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).

Biological Description

Description	Phacolysine is a chemical compound. Phacolysine is used in ophthalmologic eye lotions.
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Solubility Information

Solubility	DMSO: Soluble (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.048 mL	10.238 mL	20.475 mL
5 mM	0.410 mL	2.048 mL	4.095 mL
10 mM	0.205 mL	1.024 mL	2.048 mL
50 mM	0.041 mL	0.205 mL	0.410 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

1. 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.
2. 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.
3. Ma chuk luF, Bazukina LP, Orlovskaja LE, Lapshina NA, Khaitova KN, Iakushina LN. [Use of phacolyn in patients with allergic reaction to anti-cataract eye drops]. Vestn Oftalmol. 1991 May-Jun;107(3):68-71. Russian. PubMed PMID: 1755171.
4. 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.

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Tel:781-999-4286

E-mail:info@targetmol.com

Address:36 Washington Street,Wellesley Hills,MA 02481