

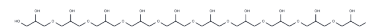
Polyglycerin-10

Chemical Properties

CAS No. : 9041-07-0

Formula: C30H62O21

Molecular Weight: 758.81



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	Polyglycerin-10 is a pale yellow viscous liquid, dispersible in water, with strong hygroscopicity. It is an excellent aqueous solvent and can be used as a basic raw material for products such as plasticizers and antifogging agents.
Targets(IC50)	Others

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	1.3179 mL	6.5893 mL	13.1785 mL
5 mM	0.2636 mL	1.3179 mL	2.6357 mL
10 mM	0.1318 mL	0.6589 mL	1.3179 mL
50 mM	0.0264 mL	0.1318 mL	0.2636 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

Kiefer J, Frank K, Zehentbauer FM, Schuchmann HP. Infrared Spectroscopy of Bilberry Extract Water-in-Oil Emulsions: Sensing the Water-Oil Interface. *Biosensors (Basel)*. 2016 Apr 14;6(2):13. doi: 10.3390/bios6020013. PubMed PMID: 27089376; PubMed Central PMCID: PMC4931473.

Wakisaka S, Nakanishi M, Gohtani S. Phase behavior and formation of o/w nano-emulsion in vegetable oil/mixture of polyglycerol polyricinoleate and polyglycerin fatty acid ester/water systems. *J Oleo Sci*. 2014;63(3):229-37. Epub 2014 Feb 13. PubMed PMID: 24521844.

Nakamura A, Hasegawa K, Yajima I, Nasu A, Kaneda I. Use of structure-controlled polymers as high performance powder dispersants in the silicone oil phase. *J Oleo Sci*. 2007;56(5):245-51. PubMed PMID: 17898488.

Ostertag H, Wurziger J. [Contributions on the biological behavior of polyglycerin compounds]. *Arzneimittelforschung*. 1965 Aug;15(8):869-72. German. PubMed PMID: 5898638.

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