

Diethylene glycol

Chemical Properties

CAS No. : 111-46-6

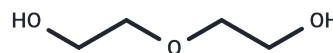
Formula: C₄H₁₀O₃

Molecular Weight: 106.12

Keep away from direct sunlight, Keep away from moisture

Storage: Pure form: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



Biological Description

Description	Diethylene glycol (Diethylenglykol) is a nephrotoxic and neurotoxic compound that can cause acute kidney injury (AKI) when ingested in large amounts.
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: 8 mg/mL (75.39 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	9.4233 mL	47.1165 mL	94.2329 mL
5 mM	1.8847 mL	9.4233 mL	18.8466 mL
10 mM	0.9423 mL	4.7116 mL	9.4233 mL
50 mM	0.1885 mL	0.9423 mL	1.8847 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

Jennifer A. Ross, et al. Toxic Alcohols. Critical Care Clinics, 2021, Pages 643-656.

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