

Decamethylene glycol

Chemical Properties

CAS No. : 112-47-0

Formula: C₁₀H₂₂O₂

Molecular Weight: 174.28

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	Decamethylene glycol is a substance used as a reagent in the biological study of modified oligonucleotide with in vivo antitumoral activity. Also used in the pharmaceutical study on the composition of essential oils obtained from myrrh and frankincense and their potential anticancer activities.
Targets(IC50)	Others,MHC

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	5.7379 mL	28.6895 mL	57.3789 mL
5 mM	1.1476 mL	5.7379 mL	11.4758 mL
10 mM	0.5738 mL	2.8689 mL	5.7379 mL
50 mM	0.1148 mL	0.5738 mL	1.1476 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

Brandwood A, Meijs GF, Gunatillake PA, Noble KR, Schindhelm K, Rizzardo E. In vivo evaluation of polyurethanes based on novel macrodiols and MDI. J Biomater Sci Polym Ed. 1994;6(1):41-54. PubMed PMID: 7947472.

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