

1,3-Propanediol

Chemical Properties

CAS No. : 504-63-2
Formula: C₃H₈O₂
Molecular Weight: 76.09
Appearance: no data available
Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



Biological Description

Description	1,3-Propanediol is a natural product produced by microbial fermentation of glycerol.
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: 50 mg/mL (657.12 mM) (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	13.1423 mL	65.7117 mL	131.4233 mL
5 mM	2.6285 mL	13.1423 mL	26.2847 mL
10 mM	1.3142 mL	6.5712 mL	13.1423 mL
50 mM	0.2628 mL	1.3142 mL	2.6285 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.

Reference

F. Barbirato, et al. Glycerol fermentation by a new 1,3-propanediol-producing microorganism: *Enterobacter agglomerans*. Applied Microbiology and Biotechnology volume 43, pages786-793(1995).

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