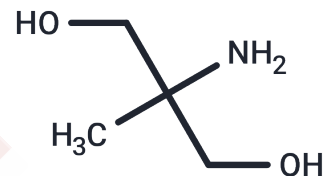


2-Amino-2-methyl-1,3-propanediol

Chemical Properties

CAS No. :	115-69-5
Formula:	C ₄ H ₁₁ NO ₂
Molecular Weight:	105.14
Storage:	Store at RT <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	2-Amino-2-methyl-1,3-propanediol is an activator of 2-oxoaldehyde dehydrogenase and can also be used as a solid-solid phase change material (PCM) and biological buffer.
Targets(IC50)	Others

Solubility Information

Solubility	H ₂ O: 80 mg/mL (760.89 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	9.5111 mL	47.5556 mL	95.1113 mL
5 mM	1.9022 mL	9.5111 mL	19.0223 mL
10 mM	0.9511 mL	4.7556 mL	9.5111 mL
50 mM	0.1902 mL	0.9511 mL	1.9022 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

RyoheiGotoh, et al. Controlling heat release of crystallization from supercooling state of a solid-solid PCM, 2-amino-2-methyl-1,3-propanediol. International Journal of Heat and Mass Transfer, 2019, 1132-1140.

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