

4-Aminobutan-1-ol

Chemical Properties

CAS No. : 13325-10-5

Formula: C₄H₁₁NO

Molecular Weight: 89.14

Storage:

Keep away from direct sunlight

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	4-Aminobutan-1-ol is an alcohol compound exhibiting inhibitory activity against porcine liver transglutaminase 2 (K _i = 280 μM), suitable for biochemical experiments and drug synthesis research.
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: 80 mg/mL (897.46 mM) (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween-80+45% Saline: 3.3 mg/mL (37.02 mM),Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	11.2183 mL	56.0915 mL	112.1831 mL
5 mM	2.2437 mL	11.2183 mL	22.4366 mL
10 mM	1.1218 mL	5.6092 mL	11.2183 mL
50 mM	0.2244 mL	1.1218 mL	2.2437 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

Schmidt C, et al. Mannich Reactions with Amino Alcohols. European Journal of Organic Chemistry, 2000, 2000(23): 3937-3944.

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