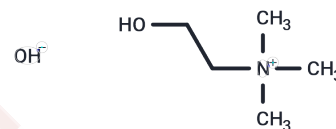


Cholinehydroxide

Chemical Properties

CAS No. :	123-41-1
Formula:	C ₅ H ₁₅ NO ₂
Molecular Weight:	121.18
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	Choline hydroxide is a ubiquitous water soluble nutrient, often associated with the B vitamins
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: 163.33 mg/mL (1347.83 mM),Sonication is recommended. H ₂ O: 71.4 mg/mL (589.21 mM) (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+90% Saline: 10 mg/mL (82.52 mM),Solution. <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	8.2522 mL	41.2609 mL	82.5219 mL
5 mM	1.6504 mL	8.2522 mL	16.5044 mL
10 mM	0.8252 mL	4.1261 mL	8.2522 mL
50 mM	0.165 mL	0.8252 mL	1.6504 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

Hollenbeck C B . An Introduction to the Nutrition and Metabolism of Choline[J]. Central Nervous System Agents in Medicinal Chemistry, 2012, 12(2):-.

Qiao K, Han J, Zhang H, et al. Intratumor Mycoplasma promotes the initiation and progression of hepatocellular carcinoma. Cell Reports. 2023, 42(12).

Wiedeman A , Barr S , Green T , et al. Dietary Choline Intake: Current State of Knowledge Across the Life Cycle[J]. Nutrients, 2018, 10(10).

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