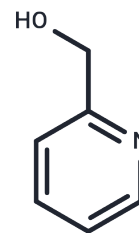


2-(Hydroxymethyl)pyridine

Chemical Properties

CAS No. :	586-98-1
Formula:	C ₆ H ₇ NO
Molecular Weight:	109.13
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	2-(Hydroxymethyl)pyridine (Piconol) is used as an organic synthesis and medicinal chemistry intermediate for the synthesis of the stimulant laxative bisacodyl, and as a pyridinol with hypoglycemic activity.
Targets(IC50)	Others,PDE

Solubility Information

Solubility	DMSO: 50 mg/mL (458.17 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 5 mg/mL (45.82 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	9.1634 mL	45.8169 mL	91.6338 mL
5 mM	1.8327 mL	9.1634 mL	18.3268 mL
10 mM	0.9163 mL	4.5817 mL	9.1634 mL
50 mM	0.1833 mL	0.9163 mL	1.8327 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

Ducharme Y, et al. Bioorg Med Chem Lett. 2003 Jun 2;13(11):1923-6.

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