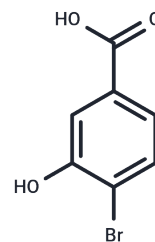


4-Bromo-3-hydroxybenzoic acid

Chemical Properties

CAS No. :	14348-38-0
Formula:	C7H5BrO3
Molecular Weight:	217.02
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	4-bromo-3-hydroxybenzoic acid is a potent inhibitor of the enzyme histidine decarboxylase.
Targets(IC50)	Endogenous Metabolite,Decarboxylase

Solubility Information

Solubility	DMSO: 43 mg/mL (198.14 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: 2 mg/mL (9.22 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	4.6079 mL	23.0394 mL	46.0787 mL
5 mM	0.9216 mL	4.6079 mL	9.2157 mL
10 mM	0.4608 mL	2.3039 mL	4.6079 mL
50 mM	0.0922 mL	0.4608 mL	0.9216 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

Shuxia, Qian, Yanping, et al. Inhibiting Histamine Signaling Ameliorates Vertigo Induced by Sleep Deprivation.[J].
Journal of molecular neuroscience : MN, 2019.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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