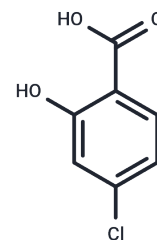


4-Chlorosalicylic acid

Chemical Properties

CAS No. :	5106-98-9
Formula:	C7H5ClO3
Molecular Weight:	172.57
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-Chlorosalicylic acid (4-Chloro-2-hydroxybenzoic acid, 4-chloro salicylic acid) is antimicrobial compositions comprising a metal salt and a benzoic acid analog.
Targets(IC50)	Antibacterial,Antibiotic,Antifungal,Tyrosinase

Solubility Information

Solubility	DMSO: 45 mg/mL (260.76 mM),Sonication is recommended. H2O: Insoluble, (< 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 (11.59 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	5.7947 mL	28.9737 mL	57.9475 mL
5 mM	1.1589 mL	5.7947 mL	11.5895 mL
10 mM	0.5795 mL	2.8974 mL	5.7947 mL
50 mM	0.1159 mL	0.5795 mL	1.1589 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

Wei Jiang et. al. Analytical Sciences, 19(6), 923-925 (2003)

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481