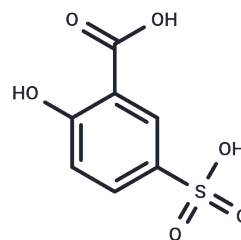


5-Sulfosalicylic acid

Chemical Properties

CAS No. :	97-05-2
Formula:	C7H6O6S
Molecular Weight:	218.18
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	5-Sulfosalicylic acid is a sulfonated salicylic acid derivative used to dope poly(2-chloroaniline)-based highly sensitive label-free electrochemical immunoassay (ECI) for detecting CA72-4, a key gastric cancer biomarker. This compound also demonstrates activity against breast cancer cell lines.
Targets(IC50)	Others
In vitro	Methods: MCF-7 and HUVEC cells were treated with 5-Sulfosalicylic acid (0.5, 1, 2, 4 mM, 24 hours) and cell viability was measured. Results: Under the treatment of 5-Sulfosalicylic acid (1 mM), the viability of MCF-7 and HUVEC control cells was 63.3% and 70.4%, respectively. [1]

Solubility Information

Solubility	DMSO: 200 mg/mL (916.67 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 (22.92 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	4.5834 mL	22.9169 mL	45.8337 mL
5 mM	0.9167 mL	4.5834 mL	9.1667 mL
10 mM	0.4583 mL	2.2917 mL	4.5834 mL
50 mM	0.0917 mL	0.4583 mL	0.9167 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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