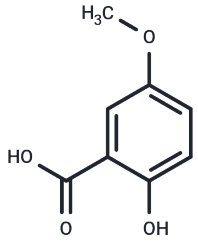
Data Sheet (Cat.No.T5888)

TargetMol

5-Methoxysalicylic acid

Chemical Properties



CAS No. : 2612-02-4

Formula: C8H8O4

Molecular Weight: 168.15

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-Methoxysalicylic acid (5-MeOSA), a natural product, serves as an effective matrix for oligonucleotide analysis in MALDI MS when used alongside spermine.
Targets(IC50)	Others,Endogenous Metabolite

Solubility Information

Solubility	DMSO: 70 mg/mL (416.29 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 (11.89 mM),Sonication is recommended. *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.*

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	5.9471 mL	29.7354 mL	59.4707 mL
5 mM	1.1894 mL	5.9471 mL	11.8941 mL
10 mM	0.5947 mL	2.9735 mL	5.9471 mL
50 mM	0.1189 mL	0.5947 mL	1.1894 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

Lee D , Cha S . 5-Methoxysalicylic Acid Matrix for Ganglioside Analysis with Matrix-Assisted Laser Desorption/Ionization Mass Spectrometry[J]. Journal of The American Society for Mass Spectrometry, 2015, 26(3): 522-525.

In vitro anti-platelet effects of simple plant-derived phenolic compounds are only found at high, non-physiological concentrations[J]. Molecular Nutrition & Food Research, 2011, 55(11):1624-1636.

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