

## Salicyluric acid

## Chemical Properties

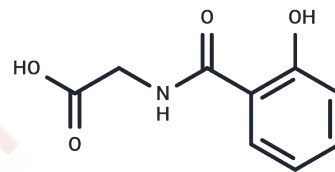
CAS No. : 487-54-7

Formula: C<sub>9</sub>H<sub>9</sub>NO<sub>4</sub>

Molecular Weight: 195.17

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	Salicyluric acid (2-Hydroxy Hippuric Acid) is a metabolite of Salicylic Acid.
Targets(IC50)	Endogenous Metabolite

## Solubility Information

Solubility	DMSO: 10 mg/mL (51.24 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: 1 mg/mL (5.12 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	5.1237 mL	25.6187 mL	51.2374 mL
5 mM	1.0247 mL	5.1237 mL	10.2475 mL
10 mM	0.5124 mL	2.5619 mL	5.1237 mL
50 mM	0.1025 mL	0.5124 mL	1.0247 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

Day RO, et al. Formation of methyl ester of salicylic acid during quantitation of salicylic acid in urine by high-pressure liquid chromatography. J Pharm Sci. 1981 Sep;70(9):1090-2.

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