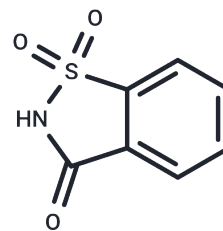


Saccharin

Chemical Properties

CAS No. :	81-07-2
Formula:	C7H5NO3S
Molecular Weight:	183.18
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	Saccharin (O-Sulfobenzimidazole) is a flavoring agent and non-nutritive sweetener.
Targets(IC50)	Antibacterial

Solubility Information

Solubility	DMSO: 60 mg/mL (327.55 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 (10.92 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	5.4591 mL	27.2956 mL	54.5911 mL
5 mM	1.0918 mL	5.4591 mL	10.9182 mL
10 mM	0.5459 mL	2.7296 mL	5.4591 mL
50 mM	0.1092 mL	0.5459 mL	1.0918 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

Just T, et al. Appetite. 2008 Nov;51(3):622-7.

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