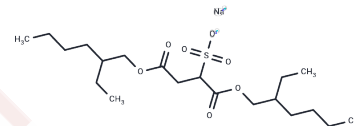


Docusate sodium

Chemical Properties

CAS No. :	577-11-7
Formula:	C ₂₀ H ₃₇ NaO ₇ S
Molecular Weight:	444.56
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	Docusate sodium (Aerosol OT) is an orally available, over-the-counter laxative and stool softener used to treat or prevent constipation. Docusate has not been linked to serum enzyme elevations during therapy or to clinically apparent liver injury with jaundice.
Targets(IC50)	Opioid Receptor,HSV

Solubility Information

Solubility	H ₂ O: 15 mg/mL (33.74 mM),Sonication is recommended. DMSO: 73.57 mg/mL (165.49 mM),Sonication is recommended. Ethanol: 82 mg/mL (184.45 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+90% Saline: 7.36 mg/mL (16.56 mM),Solution. <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	2.2494 mL	11.2471 mL	22.4942 mL
5 mM	0.4499 mL	2.2494 mL	4.4988 mL
10 mM	0.2249 mL	1.1247 mL	2.2494 mL
50 mM	0.045 mL	0.2249 mL	0.4499 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

Nader ME, et al. Otolaryngol Head Neck Surg. 2012 Mar;146(3):455-60.

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