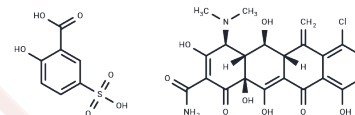


## Meclocycline sulfosalicylate salt

### Chemical Properties

CAS No. :	73816-42-9
Formula:	C <sub>22</sub> H <sub>21</sub> ClN <sub>2</sub> O <sub>8</sub> ·C <sub>7</sub> H <sub>6</sub> O <sub>6</sub> S
Molecular Weight:	695.05
Appearance:	no data available
Storage:	Powder: -20°C for 3 years   In solvent: -80°C for 1 year



### Biological Description

Description	Meclocycline sulfosalicylate salt (Mecloderm), a tetracycline antibiotic, is used topically (i.e. for skin infections) as it is totally insoluble in water and may damage kidney and liver if given systemically.
Targets(IC50)	Antibacterial,Antibiotic

### Solubility Information

Solubility	DMSO: 22.5 mg/mL (32.37 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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### Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.4387 mL	7.1937 mL	14.3875 mL
5 mM	0.2877 mL	1.4387 mL	2.8775 mL
10 mM	0.1439 mL	0.7194 mL	1.4387 mL
50 mM	0.0288 mL	0.1439 mL	0.2877 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.

### Reference

Grio R, et al. Minerva Ginecol. 1986 Mar;38(3):163-5.

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