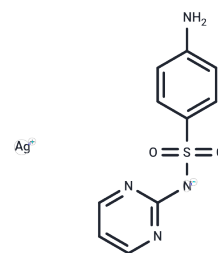


## Silver sulfadiazine

## Chemical Properties

CAS No. :	22199-08-2
Formula:	C <sub>10</sub> H <sub>9</sub> AgN <sub>4</sub> O <sub>2</sub> S
Molecular Weight:	357.14
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	Silver sulfadiazine (Dermazin) is a sulfonamide-based topical agent with antibacterial and antifungal activity.
Targets(IC50)	Antibacterial, Antibiotic, DNA/RNA Synthesis

## Solubility Information

Solubility	DMSO: Insoluble, H <sub>2</sub> O: Insoluble, ( $< 1$ mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.800 mL	14.0001 mL	28.0002 mL
5 mM	0.560 mL	2.800 mL	5.600 mL
10 mM	0.280 mL	1.400 mL	2.800 mL
50 mM	0.056 mL	0.280 mL	0.560 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

Marx, John et al. Elsevier Health Sciences. p. 814

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