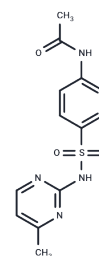


Acetylsulfamerazine

Chemical Properties

CAS No. :	127-73-1
Formula:	C13H14N4O3S
Molecular Weight:	306.34
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	Acetylsulfamerazine (N-Acetylsulfamerazine) is a secondary metabolite of sulphamethazine, which has a slight inhibitory effect on cellulose digestion and rumen endocrine activity, and has anti-microbial activity.
Targets(IC50)	Endogenous Metabolite, Drug Metabolite

Solubility Information

Solubility	DMSO: 50 mg/mL (163.22 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	3.2643 mL	16.3217 mL	32.6435 mL
5 mM	0.6529 mL	3.2643 mL	6.5287 mL
10 mM	0.3264 mL	1.6322 mL	3.2643 mL
50 mM	0.0653 mL	0.3264 mL	0.6529 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

- Vree TB, et al. Isolation and identification of 4-hydroxysulfamerazine and preliminary studies on its pharmacokinetics in dogs. Pharm Weekbl Sci. 1984;6(2):80-87.
- Vree TB, et al. Pharmacokinetics, acetylation-deacetylation, renal clearance, and protein binding of sulphamerazine, N4-acetylsulphamerazine, and N4-trideuteroacetylsulphamerazine in 'fast' and 'slow' acetylators. Biopharm Drug Dispos. 1983;4(3):271-291.

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