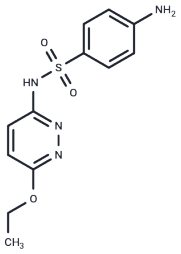
Data Sheet (Cat.No.T13027)

TargetMol

Sulfaethoxypyridazine

Chemical Properties



CAS No. : 963-14-4

Formula: C12H14N4O3S

Molecular Weight: 294.33

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	Sulfaethoxypyridazine is a sulfonamide antibacterial agent that enhances the efficacy of drugs such as Acarbose when used in combination therapy and can induce cataracts in rats and dogs.
Targets(IC50)	Antibacterial,Antibiotic
In vivo	Sulfaethoxypyridazine (30, 67, and 150 mg/kg orally for 14 days) resulted in similar cataracts (characteristic lens opacities) in dogs at 14 weeks of age.[1]

Solubility Information

Solubility	DMSO: 100 mg/mL (339.75 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.3975 mL	16.9877 mL	33.9755 mL
5 mM	0.6795 mL	3.3975 mL	6.7951 mL
10 mM	0.3398 mL	1.6988 mL	3.3975 mL
50 mM	0.068 mL	0.3398 mL	0.6795 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

Ribelin WE, et al. Development of cataracts in dogs and rats from prolonged feeding of sulfaethoxypyridazine. Toxicol Appl Pharmacol. 1967 May;10(3):557-64.

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