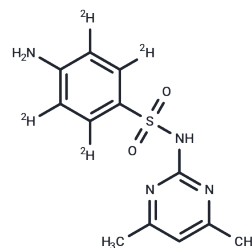


Sulfamethazine-D4

Chemical Properties

CAS No. :	1020719-82-7
Formula:	C ₁₂ H ₁₄ N ₄ O ₂ S
Molecular Weight:	282.36
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	Sulfamethazine-D4 is a deuterium labeled Sulfamethazine (T0741) (Sulfadimidine). Sulfamethazine (T0741) is an antimicrobial that is widely used to treat and prevent various animal diseases.
Targets(IC50)	Antibacterial

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.5416 mL	17.7079 mL	35.4158 mL
5 mM	0.7083 mL	3.5416 mL	7.0832 mL
10 mM	0.3542 mL	1.7708 mL	3.5416 mL
50 mM	0.0708 mL	0.3542 mL	0.7083 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

- VAN Poucke LSG, et al. Pharmacokinetics and Tissue Residues of Sulfathiazole and Sulfamethazine in Pigs. J Food Prot. 1994 Sep;57(9):796-801.
- Sheng Y J, et al. Production of chicken yolk IgY to sulfamethazine: comparison with rabbit antiserum IgG. Food and Agricultural Immunology. 2015, 26(3):305-316.

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