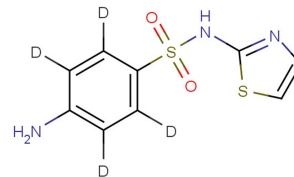


Sulfathiazole D4

Chemical Properties

CAS No.:	1020719-89-4
Formula:	C ₉ H ₅ D ₄ N ₃ O ₂ S ₂
Molecular Weight:	259.34
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



Biological Description

Description	Sulfathiazole D4 is a deuterium labeled Sulfathiazole. Sulfathiazole used as a short-acting sulfonamide antibiotic.
Targets(IC ₅₀)	Others: None

Solubility Information

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.856 mL	19.28 mL	38.559 mL
5 mM	0.771 mL	3.856 mL	7.712 mL
10 mM	0.386 mL	1.928 mL	3.856 mL
50 mM	0.077 mL	0.386 mL	0.771 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

2. Perez, S., P. Eichhorn, and D.S. Aga, Evaluating the biodegradability of sulfamethazine, sulfamethoxazole, sulfathiazole, and trimethoprim at different stages of sewage treatment. Environ Toxicol Chem, 2005. 24(6): p. 1361-7.

Inhibitors · Natural Compounds · Compound Libraries

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