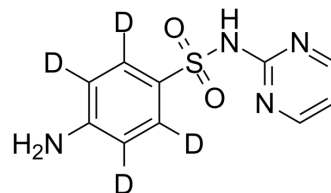


Sulfadiazine-d₄

Cat. No.:	HY-B0273S		
CAS No.:	1020719-78-1		
Molecular Formula:	C ₁₀ H ₆ D ₄ N ₄ O ₂ S		
Molecular Weight:	254.3		
Target:	Bacterial		
Pathway:	Anti-infection		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : ≥ 50 mg/mL (196.62 mM)

* "≥" means soluble, but saturation unknown.

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	3.9324 mL	19.6618 mL	39.3236 mL
	5 mM	0.7865 mL	3.9324 mL	7.8647 mL
	10 mM	0.3932 mL	1.9662 mL	3.9324 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

Sulfadiazine-d₄ is a deuterium labeled Sulfadiazine. Sulfadiazine is a sulfonamide antibiotic used for the treatment of toxoplasmosis[1][2].

REFERENCES

[1]. Kucan JO, et al. Comparison of silver sulfadiazine, povidone-iodine and physiologic saline in the treatment of chronic pressure ulcers. J Am Geriatr Soc. 1981 May;29(5):232-5.

[2]. Kabha M, et al. Sulfadiazine-Induced Obstructive Nephropathy Presenting with Upper Urinary Tract Extravasation. J Endourol Case Rep. 2016 Sep 1;2(1):159-161. eCollection 2016.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA