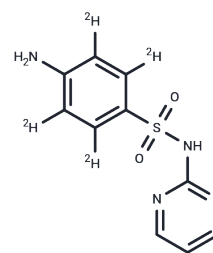


## Sulfadiazine-D4

## Chemical Properties

CAS No. :	1020719-78-1
Formula:	C10H10N4O2S
Molecular Weight:	254.3
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	Sulfadiazine-D4 is a deuterium labeled Sulfadiazine. Sulfadiazine (T0930) used for the treatment of toxoplasmosis.
Targets(IC50)	Antibacterial

## Preparing Stock Solutions

	1mg	5mg	10mg
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
50 mM	0.0786 mL	0.3932 mL	0.7865 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

- 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.
- 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.

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