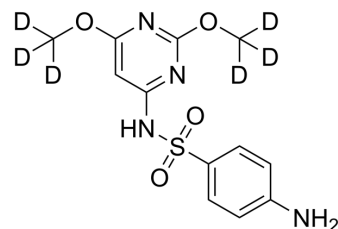


## Sulfadimethoxine-d<sub>6</sub>

<b>Cat. No.:</b>	HY-B0337S1		
<b>CAS No.:</b>	73068-02-7		
<b>Molecular Formula:</b>	C <sub>12</sub> H <sub>8</sub> D <sub>6</sub> N <sub>4</sub> O <sub>4</sub> S		
<b>Molecular Weight:</b>	316.37		
<b>Target:</b>	Bacterial; Antibiotic		
<b>Pathway:</b>	Anti-infection		
<b>Storage:</b>	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : ≥ 100 mg/mL (316.09 mM)  
 \* "≥" means soluble, but saturation unknown.

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	3.1609 mL	15.8043 mL	31.6086 mL
	5 mM	0.6322 mL	3.1609 mL	6.3217 mL
	10 mM	0.3161 mL	1.5804 mL	3.1609 mL

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

### BIOLOGICAL ACTIVITY

#### Description

Sulfadimethoxine-d<sub>6</sub> is the deuterium labeled Sulfadimethoxine. Sulfadimethoxine is a sulfonamide antibiotic used to treat many infections[1].

### REFERENCES

[1]. Guerard JJ, et al. Photochemical fate of sulfadimethoxine in aquaculture waters. Environ Sci Technol. 2009 Nov 15;43(22):8587-92.

**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