

---

**Product Data Sheet**

---

Product Name: Sulfadimethoxine D4

Cat. No.: GC61300

**Chemical Properties**

Cas. No. 1020719-80-5

SMILES O=S(C1=C([2H])C([2H])=C(N)C([2H])=C1[2H])  
(NC2=NC(OC)=NC(OC)=C2)=OFormula  $C_{12}H_{10}D_4N_4O_4S$  M.Wt 314.35

Solubility Storage Store at -20°C

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure **Background**

Sulfadimethoxine D4 is a deuterium labeled Sulfadimethoxine (Sulphadimethoxine). Sulfadimethoxine is a sulfonamide antibiotic used to treat many infections including treatment of respiratory, urinary tract, enteric, and soft tissue infections[1].

[1]. AGUIRRE M, [Sulfadimethoxine in various infections. Results]. Rev Clin Esp. 1961 Sep 30;82:394-9. [2]. 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: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA