
Product Data Sheet

Product Name: Sulfathiazole D4

Cat. No.: GC61306

Chemical Properties

Cas. No. 1020719-89-4

SMILES O=S(C1=C([2H])C([2H])=C(N)C([2H])=C1[2H])(NC2=NC=CS2)=OFormula $C_9H_5D_4N_3O_2S_2$ M.Wt 259.34

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**

Sulfathiazole D4 is a deuterium labeled Sulfathiazole. Sulfathiazole, an organosulfur compound, is used as a short-acting sulfonamide antibiotic[1].

[1]. 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. [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.

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

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