
Product Data Sheet

Product Name: Sulfamerazine D4

Cat. No.: GC61515

Chemical Properties

Cas. No. 1020719-84-9

SMILES O=S(C1=C([2H])C([2H])=C(N)C([2H])=C1[2H])(NC2=NC=CC(C)=N2)=OFormula $C_{11}H_8D_4N_4O_2S$ M.Wt 268.33

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**

Sulfamerazine D4 is a deuterium labeled Sulfamerazine. Sulfamerazine, a sulfonamide antibacterial, inhibits bacterial synthesis of dihydrofolic acid by competing with para-aminobenzoic acid (PABA) for binding to dihydropteroate synthesizes[1].

[1]. Aday B, et al. Synthesis of novel sulfonamide analogs containing sulfamerazine/sulfaguanidine and their biological activities. J Enzyme Inhib Med Chem. 2016 Dec;31(6):1005-10.

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

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