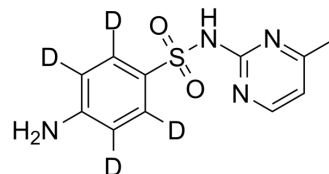


## Sulfamerazine D4

Cat. No.:	HY-B0512S
CAS No.:	1020719-84-9
Molecular Formula:	C <sub>11</sub> H <sub>8</sub> D <sub>4</sub> N <sub>4</sub> O <sub>2</sub> S
Molecular Weight:	268.33
Target:	Bacterial
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

#### Description

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 synthetase [1].

### REFERENCES

[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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