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**Product Data Sheet**

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Product Name: Sulfamonomethoxine D4

Cat. No.: GC61304

**Chemical Properties**

Cas. No. 1286538-12-2

SMILES COC1=NC=NC(NS(C2=C([2H])C([2H])=C(N)C([2H])=C2[2H])(=O)=O)=C1Formula C<sub>11</sub>H<sub>8</sub>D<sub>4</sub>N<sub>4</sub>O<sub>3</sub>S M.Wt 284.33

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**

Sulfamonomethoxine D4 is a deuterium labeled Sulfamonomethoxine.

Sulfamonomethoxine is a long acting sulfonamide antibacterial agent, used in blood kinetic studies, and blocks the synthesis of folic acid by inhibiting synthetase of dihydropteroate[1].

[1]. Ryuji Ueno. Pharmacokinetics and Bioavailability of Sulfamonomethoxine in Cultured Eel. Fish Pathology, 33(4), 297-301, 1998.10.

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

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