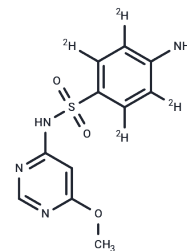


## Sulfamonomethoxine-D4

## Chemical Properties

CAS No. :	1286538-12-2
Formula:	C <sub>11</sub> H <sub>12</sub> N <sub>4</sub> O <sub>3</sub> S
Molecular Weight:	284.33
Storage:	Powder: -20°C for 3 years   In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



## Biological Description

Description	Sulfamonomethoxine-D4 is a deuterium labeled Sulfamonomethoxine. Sulfamonomethoxine (T0699) is an agent of long acting sulfonamide antibacterial, used in blood kinetic studies, and blocks the synthesis of folic acid by inhibiting synthetase of dihydropteroate.
Targets(IC50)	Antibacterial

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.517 mL	17.5852 mL	35.1704 mL
5 mM	0.7034 mL	3.517 mL	7.0341 mL
10 mM	0.3517 mL	1.7585 mL	3.517 mL
50 mM	0.0703 mL	0.3517 mL	0.7034 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

## Reference

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

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