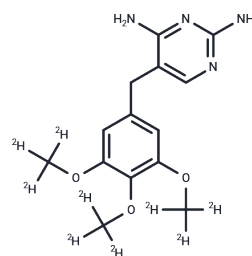


## Trimethoprim-D9

## Chemical Properties

CAS No. :	1189460-62-5
Formula:	C <sub>14</sub> H <sub>18</sub> N <sub>4</sub> O <sub>3</sub>
Molecular Weight:	299.37
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	Trimethoprim-D9 is the deuterated form of Trimethoprim. Trimethoprim (T1153) is a bacteriostatic antibiotic and an orally active inhibitor of dihydrofolate reductase. It shows activity against a variety of Gram-positive and Gram-negative aerobic bacteria. Trimethoprim (T1153) is used in studies involving urinary tract infections, shigellosis, and Pneumocystis pneumonia.
Targets(IC50)	Antifolate,Antibacterial,Antibiotic

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.3403 mL	16.7017 mL	33.4035 mL
5 mM	0.6681 mL	3.3403 mL	6.6807 mL
10 mM	0.334 mL	1.6702 mL	3.3403 mL
50 mM	0.0668 mL	0.334 mL	0.6681 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.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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