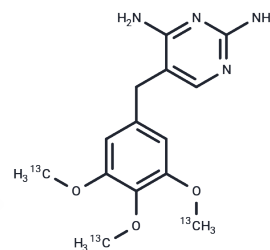


Trimethoprim-13C3

Chemical Properties

CAS No. :	1189970-95-3
Formula:	C14H18N4O3
Molecular Weight:	293.30
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-13C3 is a 13C-labeled variant of Trimethoprim. Trimethoprim (T1153) is an antibacterial antibiotic and an orally active inhibitor of dihydrofolate reductase. It is effective against a variety of Gram-positive and Gram-negative aerobic bacteria. Trimethoprim (T1153) holds potential for studying urinary tract infections, shigellosis, and pneumocystis pneumonia. When combined with zinc, Trimethoprim (T1153) can inhibit influenza A virus in chicken embryos.
Targets(IC50)	Antifolate, Antibacterial, Antibiotic, Influenza Virus

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.4095 mL	17.0474 mL	34.0948 mL
5 mM	0.6819 mL	3.4095 mL	6.819 mL
10 mM	0.3409 mL	1.7047 mL	3.4095 mL
50 mM	0.0682 mL	0.3409 mL	0.6819 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

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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