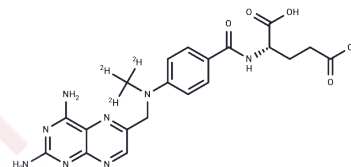


## Methotrexate-D3

## Chemical Properties

CAS No. : 432545-63-6  
 Formula: C<sub>20</sub>H<sub>19</sub>D<sub>3</sub>N<sub>8</sub>O<sub>5</sub>  
 Molecular Weight: 457.46  
 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	Methotrexate-D3 is a deuterated compound of Methotrexate. Methotrexate (T1485) has a CAS number of 59-05-2. Methotrexate (T1485) is a folate analog metabolic inhibitor with immunosuppressant and antineoplastic properties.
Targets(IC50)	Apoptosis,Antifolate,ADC Cytotoxin,DNA/RNA Synthesis

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.186 mL	10.9299 mL	21.8598 mL
5 mM	0.4372 mL	2.186 mL	4.372 mL
10 mM	0.2186 mL	1.093 mL	2.186 mL
50 mM	0.0437 mL	0.2186 mL	0.4372 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

- Genestier L, et al. J Clin Invest, 1998, 102(2), 322-328.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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