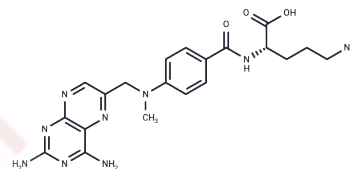


## Ornithine-methotrexate

## Chemical Properties

CAS No. :	80407-73-4
Formula:	C <sub>20</sub> H <sub>25</sub> N <sub>9</sub> O <sub>3</sub>
Molecular Weight:	439.47
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	Ornithine-methotrexate is a ornithine analog of methotrexate. It is an inhibitors of dihydrofolate reductase.
Targets(IC50)	Others

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.2755 mL	11.3773 mL	22.7547 mL
5 mM	0.4551 mL	2.2755 mL	4.5509 mL
10 mM	0.2275 mL	1.1377 mL	2.2755 mL
50 mM	0.0455 mL	0.2275 mL	0.4551 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

Kempton RJ, Black AM, Anstead GM, Kumar AA, Blankenship DT, Freisheim JH. Lysine and ornithine analogues of methotrexate as inhibitors of dihydrofolate reductase. J Med Chem. 1982 Apr;25(4):475-7. PubMed PMID: 7069726.

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