

MTHFD2-IN-5

Chemical Properties

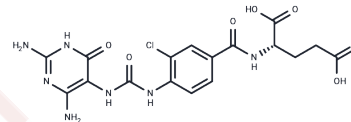
CAS No. :

Formula: C₁₇H₁₈ClN₇O₇

Molecular Weight: 467.821

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	MTHFD2-IN-5 (Compound 16e) is a selective inhibitor of MTHFD2 with an IC ₅₀ of 66 nM. It inhibits the proliferation of MOLM-14 cells with a GI ₅₀ of 720 nM and demonstrates antitumor activity in mouse models.
Targets(IC ₅₀)	Dehydrogenase

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1376 mL	10.6879 mL	21.3757 mL
5 mM	0.4275 mL	2.1376 mL	4.2751 mL
10 mM	0.2138 mL	1.0688 mL	2.1376 mL
50 mM	0.0428 mL	0.2138 mL	0.4275 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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Tel: 781-999-4286 E_mail: info@targetmol.com Address: 34 Washington Street, Wellesley Hills, MA 02481