

TS-IN-5

Chemical Properties

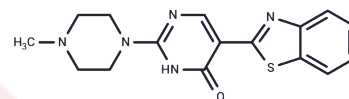
CAS No. :

Formula: C₁₆H₁₇N₅O₅

Molecular Weight: 327.404

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	TS-IN-5 (Compound 15) is an inhibitor of thymidylate synthase (TS). It induces apoptosis by modulating the proteins Bax, BCL-2, PI3K, and STAT1. TS-IN-5 exhibits antitumor activity against liver cancer, breast cancer, and colon cancer.
Targets(IC50)	Apoptosis,Bcl-2 Family,STAT,DNA/RNA Synthesis,PI3K

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.0544 mL	15.2718 mL	30.5437 mL
5 mM	0.6109 mL	3.0544 mL	6.1087 mL
10 mM	0.3054 mL	1.5272 mL	3.0544 mL
50 mM	0.0611 mL	0.3054 mL	0.6109 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