

TS-IN-6

Chemical Properties

CAS No. :

Formula: C₂₉H₂₂F₂N₆O₅

Molecular Weight: 540.59

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-6 (Compound 10) is a thymidylate synthase (TS) inhibitor with an IC ₅₀ value of 0.54 μM, showing significant antiproliferative activity. It can induce G1 phase cell cycle arrest and apoptosis (with notable increases in early and late apoptosis rates) and is useful for research in cancers such as colon, breast, and liver cancer.
Targets(IC ₅₀)	Apoptosis,DNA/RNA Synthesis

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.8498 mL	9.2492 mL	18.4983 mL
5 mM	0.370 mL	1.8498 mL	3.6997 mL
10 mM	0.185 mL	0.9249 mL	1.8498 mL
50 mM	0.037 mL	0.185 mL	0.370 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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