

TH9028 TFA

Chemical Properties

CAS No. :

Formula: C18H19F3N12O7

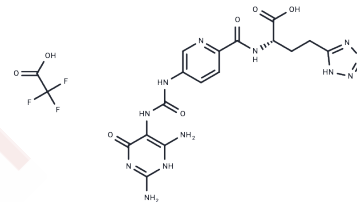
Molecular Weight: 572.42

Storage:

Store at low temperature

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	TH9028 TFA is an effective MTHFD2 inhibitor (IC50=11 nM) that suppresses proliferation in HL-60 cells, AML cells, and T-ALL Jurkat cells.
Targets(IC50)	DHFR

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.747 mL	8.7348 mL	17.4697 mL
5 mM	0.3494 mL	1.747 mL	3.4939 mL
10 mM	0.1747 mL	0.8735 mL	1.747 mL
50 mM	0.0349 mL	0.1747 mL	0.3494 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

Bonagas N, et al. Pharmacological targeting of MTHFD2 suppresses acute myeloid leukemia by inducing thymidine depletion and replication stress[J]. Nature cancer, 2022, 3(2): 156-172.

Jha V, et al. Selectivity analysis of diaminopyrimidine-based inhibitors of MTHFD1, MTHFD2 and MTHFD2L[J]. Scientific Reports, 2024, 14(1): 21073.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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