

GGTI-286 TFA

Chemical Properties

CAS No. :

Formula: C₂₅H₃₂F₃N₃O₅S

Molecular Weight: 543.6

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	GGTI-286 TFA is a potent, cell-permeable inhibitor of GGTase I, exhibiting 25 times greater effectiveness (IC ₅₀ = 2 μM) compared to the corresponding methyl ester of FTI-276. It specifically targets the geranylgeranylation of Rap1A, demonstrating significant selectivity over the farnesylation of H-Ras in NIH3T3 cells (IC ₅₀ s = 2 and >30 μM, respectively). Additionally, GGTI-286 TFA effectively inhibits the stimulation of oncogenic K-Ras4B with an IC ₅₀ of 1 μM.
Targets(IC ₅₀)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.8396 mL	9.1979 mL	18.3959 mL
5 mM	0.3679 mL	1.8396 mL	3.6792 mL
10 mM	0.184 mL	0.9198 mL	1.8396 mL
50 mM	0.0368 mL	0.184 mL	0.3679 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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