

FTI 277 TFA

Chemical Properties

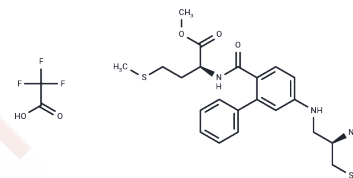
CAS No. : 1217447-06-7

Formula: C₂₄H₃₀F₃N₃O₅S₂

Molecular Weight: 561.64

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	FTI 277 TFA is a prodrug form of FTI 276 that inhibits farnesyltransferase (FTase) (IC ₅₀ = 0.5 nM). Inhibits H-Ras and K-Ras processing in whole cells (IC ₅₀ values are 0.1 and 10 μM respectively) and disrupts constitutive H-Ras-specific activation of MAPK. Causes significant antiproliferative effects in human malignant glioma cells and many other tumor cell lines.
Targets(IC ₅₀)	Apoptosis,Others,Transferase,Ras

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.7805 mL	8.9025 mL	17.805 mL
5 mM	0.3561 mL	1.7805 mL	3.561 mL
10 mM	0.178 mL	0.8902 mL	1.7805 mL
50 mM	0.0356 mL	0.178 mL	0.3561 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

- Lerner et al (1995) Ras CAAX peptidomimetic FTI-277 selectively blocks oncogenic Ras signaling inducing cytoplasmic accumulation of inactive Ras-Raf complexes. J.Biol.Chem. 270 26802 PMID: 7592920
- Sun et al (1999) Antitumour efficacy of a novel class of non-thiol-containing peptidomimetic inhibitors of farnesyltransferase and geranylgeranyltransferase I: combination therapy with the cytotoxic agents cisplatin, Tax. and gemcit. Cancer Res. 59 4919 PMID: 10519405
- Lerner et al (1995) Disruption of oncogenic K-Ras4B processing and signaling by a potent geranylgeranyltransferase I inhibitor. J.Biol.Chem. 10 26770

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