

CP-547632 TFA

Chemical Properties

CAS No. :	2805804-54-8
Formula:	C ₂₂ H ₂₅ BrF ₅ N ₅ O ₅ S
Molecular Weight:	646.43
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	CP-547632 TFA is an orally active, ATP-competitive inhibitor that potently targets VEGFR-2 and FGF kinases with IC ₅₀ values of 11 nM and 9 nM, respectively. It demonstrates selectivity for VEGFR-2 and bFGF over EGFR, PDGFR β , and related tyrosine kinases (TKs), exhibiting antitumor efficacy [1].
Targets(IC ₅₀)	FGFR, VEGFR
In vitro	CP-547632 TFA (1-1000 nM; 1 hour) inhibits VEGF-induced VEGFR-2 phosphorylation in a dose-dependent manner, with an IC ₅₀ of 6 nM [1].
In vivo	CP-547632 TFA, when administered orally in doses ranging from 6.25 to 100 mg/kg/day over a period of 10-24 days, results in a dose-dependent suppression of tumor growth in Colo-205, DLD-1, and MDA-MB-231 xenografts [1]. A single oral dose of 50 mg/kg produces plasma concentrations exceeding 500 ng/ml for a duration of up to 12 hours [1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.547 mL	7.7348 mL	15.4696 mL
5 mM	0.3094 mL	1.547 mL	3.0939 mL
10 mM	0.1547 mL	0.7735 mL	1.547 mL
50 mM	0.0309 mL	0.1547 mL	0.3094 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

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481