

TP-5801 TFA

Chemical Properties

CAS No. :

Formula: C₂₆H₃₂BrF₃N₈O₃

Molecular Weight: 641.48

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	TP-5801 TFA is an orally active inhibitor of TNK1, a non-receptor tyrosine kinase, with an IC ₅₀ of 1.40 nM, demonstrating anti-tumor activity [1].
Targets(IC ₅₀)	Others,STAT
In vitro	TP-5801 (10 pM-10 μM; 72 h) TFA treatment inhibits the growth of Ba/F3 cells driven by TNK1, BCR-ABL, and IL-3 [1]. Additionally, TP-5801 (1 nM-10 μM; 10 d) TFA suppresses the growth of TNK1-dependent L540 cells [1].
In vivo	TP-5801, administered via oral gavage at a dose of 10 mg/kg in a single administration, has been shown to be effective in a murine tumor survival model [1]. Moreover, when given at a dose of 50 mg/kg once daily for 7 days, TP-5801 consistently inhibited local tumor growth [1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.5589 mL	7.7945 mL	15.589 mL
5 mM	0.3118 mL	1.5589 mL	3.1178 mL
10 mM	0.1559 mL	0.7794 mL	1.5589 mL
50 mM	0.0312 mL	0.1559 mL	0.3118 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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