

MS15 TFA

Chemical Properties

CAS No. :

Formula: C66H80F3N11O7S

Molecular Weight: 1228.47

Keep away from direct sunlight

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	MS15 TFA is a potent, selective AKT PROTAC degrader, effectively inhibiting AKT1, AKT2, and AKT3 with IC50 values of 798 nM, 90 nM, and 544 nM, respectively [1].
Targets(IC50)	Akt,PROTACs
In vitro	MS15 (0-10 μ M, 24 hours) TFA effectively induces AKT degradation in SW620 cells and MS21 resistant cells harboring KRAS/BRAF mutations [1]. Furthermore, MS15 (0-10 μ M, 5 days) TFA suppresses the proliferation of KRAS mutant SW620 cells [1]. In a time- and UPS-dependent manner, MS15 (1 μ M, 1-24 hours) TFA mediates AKT degradation [1].
In vivo	MS15, administered intraperitoneally at a dose of 75 mg/kg in a single injection, exhibits bioavailability [1] in mice.

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.814 mL	4.0701 mL	8.1402 mL
5 mM	0.1628 mL	0.814 mL	1.628 mL
10 mM	0.0814 mL	0.407 mL	0.814 mL
50 mM	0.0163 mL	0.0814 mL	0.1628 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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