

BSJ-03-204 triTFA

Chemical Properties

CAS No. :

Formula: C49H51F9N10O14

Molecular Weight: 1174.97

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	BSJ-03-204 triTFA is a potent and selective Cereblon- and CDK-targeted PROTAC (PROteolysis TARgeting Chimera) featuring Palbociclib-based ligands for the degradation of CDK4/6. It exhibits IC50 values of 26.9 nM for CDK4/D1 and 10.4 nM for CDK6/D1, indicating strong inhibitory capabilities. Notably, it spares IKZF1/3 from degradation and possesses anti-cancer activity [1].
Targets(IC50)	CDK,PROTACs
In vitro	BSJ-03-204 triTFA, at concentrations ranging from 0.0001 to 100 µM administered for 3 or 4 days, exhibits potent anti-proliferative effects on MCL cell lines [1]. Additionally, a 1 µM dose for 1 day strongly induces G1 phase arrest [1]. When applied at 0.1 to 5 µM for a period of 4 hours, BSJ-03-204 triTFA selectively leads to the degradation of CDK4/6 in WT cells without affecting IKZF1/3 [1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.8511 mL	4.2554 mL	8.5109 mL
5 mM	0.1702 mL	0.8511 mL	1.7022 mL
10 mM	0.0851 mL	0.4255 mL	0.8511 mL
50 mM	0.017 mL	0.0851 mL	0.1702 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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