

PROTAC FLT3/GSPT1/IKZF1/3 degrader-1

Chemical Properties

CAS No. :

Formula:

Molecular Weight:

Storage: Keep away from direct sunlight
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	PROTACFLT3/GSPT1/IKZF1/3 degrader-1 is an FLT3 PROTAC degrader with DC50 = 1.2 nM. It functions as a molecular glue to degrade its brain substrates and exhibits antiproliferative activity against resistant acute myeloid leukemia (AML) cells, showing potential applications in AML research.
Targets(IC50)	FLT,Molecular Glues,PROTACs,IKZF
In vitro	PROTAC FLT3/GSPT1/IKZF1/3 degrader-1 (Compound A2) exhibits antiproliferative activity against MV-4-11 FLT3-ITD, MV-4-11 FLT3-ITD-F691L, MV-4-11 FLT3-ITD-D835Y, MOLM-13 FLT3-ITD, MOLM-13 FLT3-ITD-F691L, and MOLM-13-D835Y, with IC50 values of 1.67, 4.74, 3.70, 3.16, 5.61, and 7.55 nM, respectively, while showing no effect on the proliferation of FLT3 wild-type cells (IC50 > 1000). At concentrations of 0-100 nM over 24 hours, PROTAC FLT3/GSPT1/IKZF1/3 degrader-1 reduces the expression of FLT3, GSPT1, IKZF1, and IKZF3 proteins in MV-4-11 and MOLM-13 cells.

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