

## PROTAC XPO1 degrader-1

## Chemical Properties

CAS No. :

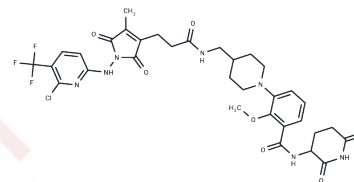
Formula: C33H35ClF3N7O7

Molecular Weight: 734.122

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	PROTAC XPO1 degrader-1 (Compound 2c) is an XPO1 degrader. It exhibits anti-proliferative effects, induces apoptosis, inhibits NF-κB activity, and causes cell cycle arrest at the G1 phase. PROTAC XPO1 degrader-1 is applicable to research on hematological malignancies.
Targets(IC50)	Apoptosis,NF-κB,CRM1,PROTACs
In vitro	PROTAC XPO1 degrader-1 (Compound 2c) effectively degrades XPO1 protein in MV4-11 acute myeloid leukemia (AML) cells with a DC50 of 23.67 nM [1]. It exhibits significant anti-proliferative effects, showing IC50 values of 0.142 μM for MV4-11 cells and 0.186 μM for MOLM-13 cells [1]. At concentrations of 100-500 nM over 24 hours, it induces apoptosis in MV4-11 cells via the caspase pathway [1]. When applied at 100-200 nM for 24 hours, it arrests the cell cycle at the G1 phase in MV4-11 cells [1]. Additionally, 50 nM of PROTAC XPO1 degrader-1 for 24 hours reduces cell migration in MV4-11 cells [1].

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.3622 mL	6.8109 mL	13.6218 mL
5 mM	0.2724 mL	1.3622 mL	2.7244 mL
10 mM	0.1362 mL	0.6811 mL	1.3622 mL
50 mM	0.0272 mL	0.1362 mL	0.2724 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

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