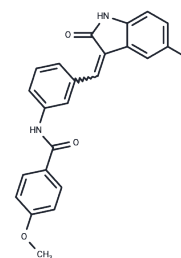


XL44

Chemical Properties

CAS No. : 2637949-91-6
 Formula: C₂₃H₁₇FN₂O₃
 Molecular Weight: 388.39
 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	XL44, as an hRpn13 binder, triggers hRpn13-dependent apoptosis and limits cell viability via a PCLAF-dependent mechanism. It causes ubiquitin-dependent degradation of hRpn13 Pru and ubiquitin-independent degradation of specific KEN box-containing proteins [1].
Targets(IC50)	Apoptosis
In vitro	XL44, when applied at a concentration of 20 μM to RPMI 8226 cell lysates over a period of 4-24 hours, triggers apoptosis through an hRpn13-dependent mechanism and diminishes hRpn13Pru levels [1]. Western Blot Analysis confirms these findings [1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.5747 mL	12.8737 mL	25.7473 mL
5 mM	0.5149 mL	2.5747 mL	5.1495 mL
10 mM	0.2575 mL	1.2874 mL	2.5747 mL
50 mM	0.0515 mL	0.2575 mL	0.5149 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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