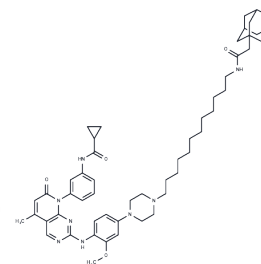


## Akt3 degrader 1

## Chemical Properties

CAS No. :	2836342-69-7
Formula:	C53H72N8O4
Molecular Weight:	885.19
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	Akt3 degrader 1 is a specific Akt3 degrader with anticancer and antiproliferative activity that inhibits tumor growth in mice. Akt3 degrader 1 is used in the study of non-small cell lung cancer and pancreatic cancer.
Targets(IC50)	Akt
In vitro	In H1975OR cells, Akt3 degrader 1 ( 0.001-100 $\mu$ M ; 24 h ) could inhibit the growth of H1975OR cells with an IC50 of 0.972 $\mu$ M[1].
In vivo	In NOD-SCID-IL2Rg-/- ( NSI ) mice ( H1975OR xenograft model ), Akt3 degrader 1 ( 10,20 mg/kg ; intraperitoneal administration ; every 3 days for 5 weeks ) can Inhibited tumor growth without causing obvious body weight loss or other signs of toxicity[1].

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.1297 mL	5.6485 mL	11.297 mL
5 mM	0.2259 mL	1.1297 mL	2.2594 mL
10 mM	0.113 mL	0.5649 mL	1.1297 mL
50 mM	0.0226 mL	0.113 mL	0.2259 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.

## Reference

Xu F, et al. Discovery of Isoform-Selective Akt3 Degraders Overcoming Osimertinib-Induced Resistance in Non-Small Cell Lung Cancer Cells. J Med Chem. 2022 Oct 27;65(20):14032-14048.

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