



Akt3 degrader 1

Cat. No.:	OB0225WX-1631
Appearance:	Solid
Purity:	≥99%
Identity:	Confirmed by NMR, and LC-MS.
Size:	1 mg; 5 mg; 10 mg; 25 mg; 50 mg; 100 mg

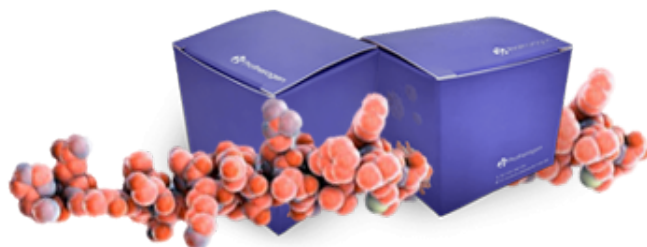
This product is for research use only and is not intended for diagnostic use.

Product Overview

Description	Akt3 degrader 1 is a specialized bifunctional molecule designed to induce the targeted degradation of Akt3, leading to the suppression of tumor growth through its antiproliferative molecular properties.
Synonym	2836342-69-7; Akt3 Degrader 12L; <i>N</i> -(3-(2-((4-(4-(12-(2-(Adamantan-1-yl)acetamido)dodecyl)piperazin-1-yl)-2-methoxyphenyl)amino)-5-methyl-7-oxopyrido[2,3-d]pyrimidin-8(7H)-yl)phenyl)cyclopropanecarboxamide
CAS No.	2836342-69-7
Compound CID	165437257
Formula	C ₅₃ H ₇₂ N ₈ O ₄
Formula Weight	885.19

Specification

IUPAC Name	<i>N</i> -[3-[2-[4-[4-[12-[[2-(1-Adamantyl)acetyl]amino]dodecyl]piperazin-1-yl]-2-methoxyanilino]-5-methyl-7-oxopyrido[2,3-d]pyrimidin-8-yl]phenyl]cyclopropanecarboxamide
InChI	InChI=1S/C53H72N8O4/c1-37-26-49(63)61(44-15-13-14-42(30-44)56-51(64)41-16-17-41)50-45(37)36-55-52(58-50)57-46-19-18-43(31-47(46)65-2)60-24-22-59(23-25-60)21-12-10-8-6-4-3-5-7-9-11-20-54-48(62)35-53-32-38-27-39(33-53)29-40(28-38)34-53/h13-15,18-19,26,30-31,36,38-41H,3-12,16-17,20-25,27-29,32-35H2,1-2H3,(H,54,62)(H,56,64)(H,55,57,58)



InChI Key	KLSALARRZCZNDM-UHFFFAOYSA-N
SMILES string	<chem>CC1=CC(=O)N(C2=NC(=NC=C12)NC3=C(C=C(C=C3)N4CCN(CC4)CCCCCCCCCCCNC(=O)CC56CC7CC(C5)CC(C7)C6)OC)C8=CC=CC(=C8)NC(=O)C9CC9</chem>
Stability	3 years in powder form.
Storage	Storage at -20°C.
Applications	Akt3 degrader 1 is utilized in molecular biology research as a PROTAC-based tool to investigate the specific biological consequences of degrading the Akt3 isoform versus achieving simple kinase inhibition.

Library Information

Target	Akt
Receptor	Akt3
Pathways	Cytoskeletal signaling; PI3K/Akt/mTOR signaling
Plate Number	AOCL-21
Plate Location	h6
Empty Location	a1-h1; a12-h12
Container	96-well plate
Formulation	10mM DMSO