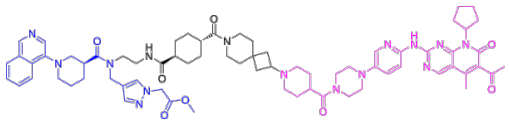
Product Data Sheet

Product Name: PROTAC CDK6 Degrader 1
Cat. No.: GC80885

Chemical Properties

Cas. No.			
Formula	$C_{70}H_{89}N_{15}O_8$	M.Wt	1268.55
Solubility	DMSO: 50 mg/mL (39.42 mM; Need ultrasonic)	Storage	Store at -80°C, protect from light
General tips	For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while.Stock solution can be stored below -20°C for several months.		
Shipping Condition	Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.		
Structure			



Background

PROTAC CDK6 Degrader 1 (compound 48a) is a potent and selective PROTAC CDK6 degrader with a DC_{50} of 0.037 μM. PROTAC CDK6 Degrader 1 exhibits selectivity over CDK4 (DC_{50} > 10 μM). PROTAC CDK6 Degrader 1 induces G0/G1 cell-cycle arrest and apoptosis through inhibition of CDK6 downstream signaling. PROTAC CDK6 Degrader 1 reduces tumor burden and CDK6 levels in a MOLM-14 xenograft mouse model. PROTAC CDK6 Degrader 1 can be used for CDK6-driven cancers research, such as acute myeloid leukemia (AML) [1]. (Pink: CDK6 ligand; Blue: KLHDC2 ligand; Black: linker).

Caution: Product has not been fully validated for medical applications. For research use only.
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References:

[1]. Jeon E, et al. Selective CDK6 Degradation via the KLHDC2 E3 Ubiquitin Ligase. J Med Chem. 2025 Dec 11;68(23):25539-25568.