

K-Ras ligand-Linker Conjugate 2

Chemical Properties

CAS No.:	T18055
Formula:	C45H58N8O7
Molecular Weight:	822.99
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).

Biological Description

Description	K-Ras ligand-Linker Conjugate 2 incorporates a ligand for K-Ras, and a PROTAC linker, which recruit E3 ligases (such as VHL, CRBN, MDM2, and IAP). K-Ras ligand-Linker Conjugate 2 can be used in the synthesis of PROTAC K-Ras Degradator-1, which is potent PROTAC K-Ras degrader that exhibits $\geq 70\%$ degradation efficacy in SW1573 cells[1].
Targets(IC ₅₀)	Others: None
In vitro	PROTACs contain two different ligands connected by a linker; one is a ligand for an E3 ubiquitin ligase and the other is for the target protein. PROTACs exploit the intracellular ubiquitin-proteasome system to selectively degrade target proteins[1].

Solubility Information

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.215 mL	6.075 mL	12.151 mL
5 mM	0.243 mL	1.215 mL	2.43 mL
10 mM	0.122 mL	0.608 mL	1.215 mL
50 mM	0.024 mL	0.122 mL	0.243 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

1. CREW, Andrew P., et al. MODULATORS OF PROTEOLYSIS AND ASSOCIATED METHODS OF USE. WO2019195609A2.

Inhibitors · Natural Compounds · Compound Libraries

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