

K-Ras ligand-Linker Conjugate 1

Chemical Properties

CAS No. :

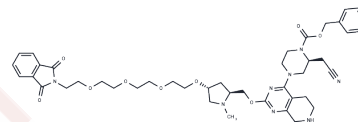
Formula: C43H54N8O9

Molecular Weight: 826.94

Keep away from direct sunlight

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	K-Ras ligand-Linker Conjugate 1 is a chemical compound that includes a ligand for K-Ras and a PROTAC linker, facilitating the recruitment of E3 ligases VHL, CRBN, MDM2, and IAP. It can be utilized in the synthesis of PROTAC K-Ras Degrader-1, a highly effective K-Ras degrader that achieves $\geq 70\%$ degradation efficacy in SW1573 cells [1].
Targets(IC50)	Others, Target Protein Ligand-Linker Conjugates
In vitro	PROTACs consist of two ligands linked by a connector: one binding to an E3 ubiquitin ligase and the other to the target protein. These compounds harness the intracellular ubiquitin-proteasome system to selectively degrade target proteins[1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.2093 mL	6.0464 mL	12.0928 mL
5 mM	0.2419 mL	1.2093 mL	2.4186 mL
10 mM	0.1209 mL	0.6046 mL	1.2093 mL
50 mM	0.0242 mL	0.1209 mL	0.2419 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

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

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481