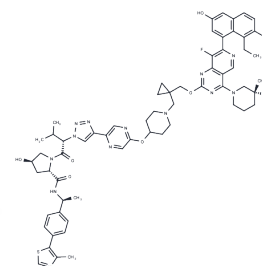


PROTAC pan-KRAS degrader-1

Chemical Properties

CAS No. :	3043908-63-7
Formula:	C63H71F2N13O7S
Molecular Weight:	1192.38
Storage:	Keep away from direct sunlight Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	PROTACpan-KRAS degrader-1 is a pan-KRAS PROTAC degrader that targets multiple KRAS mutants, including G12D, G12C, G12V, and G13D. It effectively degrades the KRAS mutant (G12D) in AGS cells, with a DC50 of 1.1 nM and a Dmax of 95%. This compound can be used in studies of diseases caused by KRAS mutations or amplifications, particularly in cancers such as breast, bladder, and gastric cancer.
Targets(IC50)	PROTACs,Ras
In vitro	PROTAC pan-KRAS degrader-1 (Compound 144) significantly inhibits cell proliferation across various KRAS mutation types in AGS, SW620, AsPC-1, H358, HCT116, and MKN-1 cells within the range of 0.31-20000 nM over 96 hours, with IC50 values of 3, 10, 2.6, 5, 13, and 0.9 nM, respectively. Moreover, PROTAC pan-KRAS degrader-1, at concentrations ranging from 1.53-100000 nM, potently degrades KRAS mutation (G12D) in AGS cells, exhibiting a DC50 of 1.1 nM and a Dmax of 95%. Within 24 hours at a concentration range of 0.16-100 nM, it effectively degrades different KRAS mutations (G12D and G12V) in AGS and SW620 cells, achieving maximum degradation efficiency at 0.8 and 4 nM, respectively.

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.8387 mL	4.1933 mL	8.3866 mL
5 mM	0.1677 mL	0.8387 mL	1.6773 mL
10 mM	0.0839 mL	0.4193 mL	0.8387 mL
50 mM	0.0168 mL	0.0839 mL	0.1677 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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