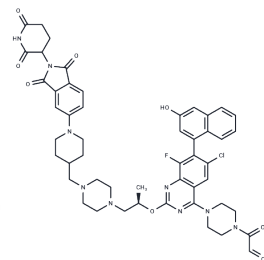


PROTAC KRAS G12C degrader-2

Chemical Properties

CAS No. :	2378257-72-6
Formula:	C ₅₁ H ₅₃ ClFN ₉ O ₇
Molecular Weight:	958.47
Storage:	Keep away from direct sunlight Powder: -20°C for 3 years In solvent: -80°C for 1 year <i>Actual storage temperature shall be subject to the COA.</i>



Biological Description

Description	PROTAC KRAS G12C degrader-2 (compound 432) is a targeted modulator of K-Ras protein hydrolysis that functions as a bifunctional PROTAC molecule, incorporating a cereblon inhibitor of apoptosis proteins (IAP) ligand on one terminus and a KRAS-binding moiety on the opposite end, thereby enabling selective recruitment of mutant KRAS G12C to the ubiquitin-proteasome system for controlled degradation and mechanistic investigation of KRAS-driven oncogenic signaling pathways.
Targets(IC50)	Ligands for E3 Ligase,IAP

Solubility Information

Solubility	DMSO: 40 mg/mL (41.73 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.0433 mL	5.2166 mL	10.4333 mL
5 mM	0.2087 mL	1.0433 mL	2.0867 mL
10 mM	0.1043 mL	0.5217 mL	1.0433 mL
50 mM	0.0209 mL	0.1043 mL	0.2087 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, et al. Preparation of bifunctional compounds as modulators of proteolysis useful for treating cancer. World Intellectual Property Organization, WO2019195609 A2. 2019-10-10.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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