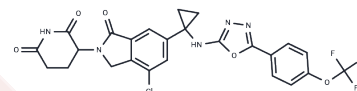


CDK2 degrader 8

Chemical Properties

CAS No. :	3099145-52-2
Formula:	C ₂₅ H ₁₉ ClF ₃ N ₅ O ₅
Molecular Weight:	561.9
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	CDK2 degrader 8 is a novel bifunctional protein degrader (PROTAC) developed based on patent WO 2025/181261, featuring Cyclopropyl and 1,3,4-Oxadiazole scaffolds. This compound facilitates the formation of a ternary complex between CDK2 and an E3 ubiquitin ligase, mediating the selective ubiquitination and subsequent proteasomal degradation of the target protein. In experimental models, it effectively blocks tumor cell cycle progression by depleting CDK2 levels, thereby demonstrating potent anti-proliferative activity.
Targets(IC50)	CDK
In vitro	In cellular degradation assays, CDK2 degrader 8 demonstrated high potency in inducing the depletion of CDK2 protein across various cancer cell lines. It selectively recruits E3 ligases (such as CRBN or VHL) to promote the proteasomal degradation of CDK2 with low nanomolar DC50 values, leading to significant G1 phase arrest and inhibition of DNA synthesis.[1]

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.7797 mL	8.8984 mL	17.7968 mL
5 mM	0.3559 mL	1.7797 mL	3.5594 mL
10 mM	0.178 mL	0.8898 mL	1.7797 mL
50 mM	0.0356 mL	0.178 mL	0.3559 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

FASCHING, et al. Cyclopropyl and 1,3,4-Oxadiazole Compounds That Mediate Protein Degradation and Methods of Use Thereof. WO 2025/181261 A1. World Intellectual Property Organization (WIPO). 04 September 2025.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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