

Abd110

Chemical Properties

CAS No. : 3021581-79-0

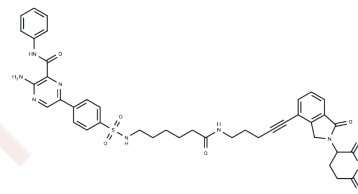
Formula: C41H42N8O7S

Molecular Weight: 790.89

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	Abd110 (compound 42i), a Lenalidomide-based PROTAC ATR kinase degrader, selectively reduces levels of ATR and phospho-ATR while not impacting the related kinases ATM and DNA-PKcs [1].
Targets(IC50)	ATM/ATR,PROTACs
In vitro	Abd110 (compound 42i; 0.5-2 μ M; 24 h) selectively degrades ATR by relying on the E3 ubiquitin ligase component cereblon, while not affecting the related kinases ATM and DNA-PKcs [1]. In a cell viability assay using the MIA PaCa-2 cell line at concentrations of 0.5 μ M, 1 μ M, and 2 μ M for 24 hours, Abd110 resulted in decreased levels of ATR and p-ATR without impacting other checkpoint kinases.

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.2644 mL	6.322 mL	12.644 mL
5 mM	0.2529 mL	1.2644 mL	2.5288 mL
10 mM	0.1264 mL	0.6322 mL	1.2644 mL
50 mM	0.0253 mL	0.1264 mL	0.2529 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

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