

dASK1

Chemical Properties

CAS No. : 3064086-31-0

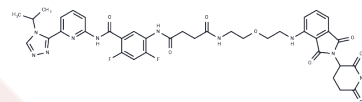
Formula: C38H38F2N10O8

Molecular Weight: 800.77

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	dASK1 is a selective CRBN-based PROTAC degrader targeting apoptosis signal-regulating kinase 1 (ASK1). It forms a stable ternary complex with ASK1, facilitating its rapid and sustained degradation via the ubiquitin-proteasome pathway. dASK1 exhibits strong ASK1 degradation capabilities and is applicable for hepatitis research.
Targets(IC50)	ASK,PROTACs
In vitro	dASK1 (Compound 35) induces ASK1 degradation in HepG2 and HEK293A cells at concentrations ranging from 1 to 5000 nM over 4 to 12 hours. In HepG2 cells, dASK1 shows no detectable toxicity at concentrations between 1 nM and 10 μM over 24 hours. The degradation of ASK1 by dASK1 (10-200 nM for 8 hours) in HepG2 cells is dependent on the proteasome.

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.2488 mL	6.244 mL	12.488 mL
5 mM	0.2498 mL	1.2488 mL	2.4976 mL
10 mM	0.1249 mL	0.6244 mL	1.2488 mL
50 mM	0.025 mL	0.1249 mL	0.2498 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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