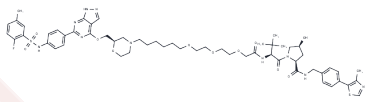
Data Sheet (Cat.No.T212560)

TargetMol

PROTAC SGK3 degrader-2

Chemical Properties



CAS No. : 2381196-78-5

Formula: C57H73FN10O11S2

Molecular Weight: 1157.38

Storage: Keep away from direct sunlight
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	PROTACSGK3degrader-2 is the cis-diastereomer of PROTACSGK3degrader-1 (SGK3-PROTAC1), featuring a cis-hydroxy group in its VH032 section, which prevents binding to the VHL E3 ligase. This compound inhibits SGK3, SGK1, and S6K1 with IC50 values of 0.6 μM, 1.4 μM, and 1.7 μM, respectively, but does not degrade SGK3. It serves as a control compound for studying the specific degradation effects mediated by SGK3-PROTAC1.
Targets(IC50)	PROTACs,SGK
In vitro	PROTAC SGK3 degrader-2 (cisSGK3-PROTAC1) at concentrations of 0.03-3 μM over 8 hours does not induce degradation of SGK3 in HEK293, CAMA-1, ZR-75-1, and JIMT-1 cells; it only reduces phosphorylation of NDRG1 in HEK293 cells at concentrations greater than 1 μM. Moreover, PROTAC SGK3 degrader-2 at 0.3 μM for 5 days has no effect on SGK3 levels or the phosphorylation of TSC2, S6K1, and S6 in CAMA-1 and ZR-75-1 cells treated with GDC0941 or AZD5363.

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.864 mL	4.3201 mL	8.6402 mL
5 mM	0.1728 mL	0.864 mL	1.728 mL
10 mM	0.0864 mL	0.432 mL	0.864 mL
50 mM	0.0173 mL	0.0864 mL	0.1728 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.

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