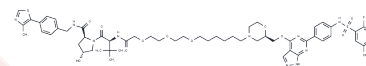


PROTAC SGK3 degrader-1

Chemical Properties

CAS No. :	2381320-35-8
Formula:	C57H73FN10O11S2
Molecular Weight:	1157.38
Storage:	Store under nitrogen Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	PROTAC SGK3 degrader-1 (SGK3-PROTAC1) is a PROTAC coupler that targets SGK3 and binds ligand to VH032 VHL, inducing degradation of endogenous SGK3. It inhibits GDC0941-induced proliferation of cancer cells. [5017-88-83-4]
Targets(IC50)	PROTACs,SGK
In vitro	SGK3-PROTAC1 (0.3 μ M) induces endogenous SGK3 degradation by 50% within 2 hours, with maximal degradation of 80% observed within 8 hours, accompanied by loss of phosphorylation of SGK3 substrate NDRG1[1].

Solubility Information

Solubility	DMSO: 80 mg/mL (69.12 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween-80+45% Saline: 3.3 mg/mL (2.85 mM),Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

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.

Reference

Tovell H, et al. Design and Characterization of SGK3-PROTAC1, an Isoform Specific SGK3 Kinase PROTAC Degrader. ACS Chem Biol. 2019 Sep 20;14(9):2024-2034.

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