

RSS0680

Chemical Properties

CAS No. : 2769753-48-0

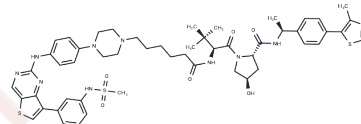
Formula: C52H64N10O6S3

Molecular Weight: 1021.32

Store at low temperature

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	RSS0680 is a protein kinase degrader that degrades a variety of kinases and can be used to study diseases caused by kinase abnormalities.
Targets(IC50)	CDK,AMPK,AAK1,LIM Kinase,PROTACs,Serine/threonin kinase,SIK,Wee1,AAK1 (AP2 associated kinase 1)

Solubility Information

Solubility	DMSO: 80 mg/mL (78.33 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: 5 mg/mL (4.9 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	0.9791 mL	4.8956 mL	9.7913 mL
5 mM	0.1958 mL	0.9791 mL	1.9583 mL
10 mM	0.0979 mL	0.4896 mL	0.9791 mL
50 mM	0.0196 mL	0.0979 mL	0.1958 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

Gray Nathanael S, et al. Bifunctional compounds for targeted protein degradation of kinases: World Intellectual Property Organization, WO2022093742[P]. 2022-05-05.

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