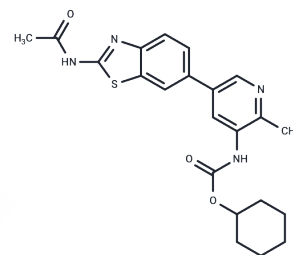


PK68

Chemical Properties

CAS No. : 2173556-69-7
 Formula: C₂₂H₂₄N₄O₃
 Molecular Weight: 424.52
 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	PK68 is an effective and selective inhibitor of type II receptor-interacting kinase 1 (RIPK1, IC ₅₀ = 90nM). PK68 can be used for research on the treatment of inflammatory disorders and cancer metastasis.
Targets(IC ₅₀)	RIP kinase

Solubility Information

Solubility	DMSO: 6.25 mg/mL (14.72 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: 1 mg/mL (2.36 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	2.3556 mL	11.778 mL	23.556 mL
5 mM	0.4711 mL	2.3556 mL	4.7112 mL
10 mM	0.2356 mL	1.1778 mL	2.3556 mL
50 mM	0.0471 mL	0.2356 mL	0.4711 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

Hou J, et al. Discovery of potent necroptosis inhibitors targeting RIPK1 kinase activity for the treatment of inflammatory disorder and cancer metastasis. Cell Death Dis. 2019 Jun 24;10(7):493.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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