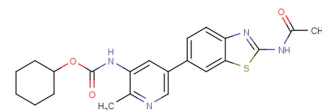


PK68

## Chemical Properties

CAS No.: 2173556-69-7  
Formula: C<sub>22</sub>H<sub>24</sub>N<sub>4</sub>O<sub>3</sub>S  
Molecular Weight: 424.52  
Appearance: N/A  
Storage: 0-4°C for short term (days to weeks), or -20°C for long term (months).



## Biological Description

Description	PK68 is a potent and selective type II receptor-interacting kinase 1 (RIPK1) inhibitor (IC <sub>50</sub> of ~90 nM).
Targets (IC <sub>50</sub> )	RIPK1: ~ 90 nM

## Solubility Information

Solubility	DMSO: 30 mg/mL (70.67 mM) (< 1 mg/mL refers to the product slightly soluble or insoluble)
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### Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.356 mL	11.778 mL	23.556 mL
5 mM	0.471 mL	2.356 mL	4.711 mL
10 mM	0.236 mL	1.178 mL	2.356 mL
50 mM	0.047 mL	0.236 mL	0.471 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

### Reference

1. 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.

Inhibitors · Natural Compounds · Compound Libraries

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