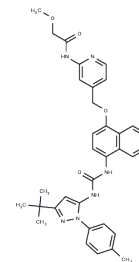


JNJ-49095397

## Chemical Properties

CAS No. : 1220626-82-3  
 Formula: C<sub>34</sub>H<sub>36</sub>N<sub>6</sub>O<sub>4</sub>  
 Molecular Weight: 592.69  
 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	JNJ-49095397 (RV568) is a selective p38 MAPK- $\alpha$ and p38 MAPK- $\gamma$ kinase inhibitor with anti-inflammatory activity and potential antiviral activity for chronic obstructive pulmonary disease (COPD), cystic fibrosis, and respiratory syncytial virus infection.
Targets(IC50)	Antiviral,p38 MAPK,Src
In vitro	JNJ-49095397 (1 $\mu$ g-1 g/mL; 4 h) demonstrates potent anti-inflammatory effects in monocytes and macrophages. When used in combination with corticosteroids, it exhibits synergistic anti-inflammatory effects in poly I:C-stimulated BEAS-2B cells and cigarette smoke models[1].
In vivo	In non-fasted Balb/c mice, in the LPS-induced neutrophil accumulation model, JNJ-49095397 (1, 4, and 20 $\mu$ g/mouse; intratracheal administration, 2, 8, or 12 h prior to LPS inhalation) prevented the accumulation of neutrophils in the BAL fluid. Significant inhibition of neutrophil accumulation was observed when administered up to 8 h prior to LPS inhalation[1].

## Solubility Information

Solubility	DMSO: 80 mg/mL (134.98 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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### Preparing Stock Solutions

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	<b>1mg</b>	<b>5mg</b>	<b>10mg</b>
1 mM	1.6872 mL	8.4361 mL	16.8722 mL
5 mM	0.3374 mL	1.6872 mL	3.3744 mL
10 mM	0.1687 mL	0.8436 mL	1.6872 mL
50 mM	0.0337 mL	0.1687 mL	0.3374 mL

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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

Charron CE, et al. RV568, a narrow-spectrum kinase inhibitor with p38 MAPK- $\alpha$  and - $\gamma$  selectivity, suppresses COPD inflammation. Eur Respir J. 2017 Oct 26;50(4):1700188.

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