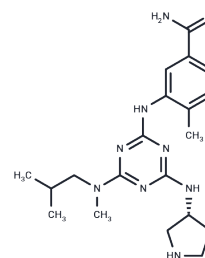


PS-166276

## Chemical Properties

CAS No. : 348089-57-6  
 Formula: C<sub>20</sub>H<sub>30</sub>N<sub>8</sub>O  
 Molecular Weight: 398.51  
 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	PS-166276 is a potent p38 inhibitor with low cytotoxicity. It exhibits an IC <sub>50</sub> value of 28 nM against p38 kinase and an IC <sub>50</sub> of 170 nM in the THP-1 TNF $\alpha$ assay.
Targets(IC <sub>50</sub> )	p38 MAPK
In vivo	PS166276, administered subcutaneously at a dose of 30 mg/kg in mice, inhibits the production of TNF $\alpha$ induced by LPS.

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.5093 mL	12.5467 mL	25.0935 mL
5 mM	0.5019 mL	2.5093 mL	5.0187 mL
10 mM	0.2509 mL	1.2547 mL	2.5093 mL
50 mM	0.0502 mL	0.2509 mL	0.5019 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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