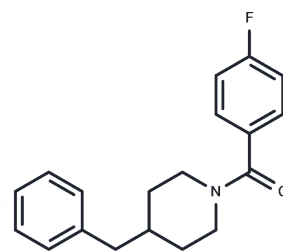


p38 $\alpha$  inhibitor 3

## Chemical Properties

CAS No. :	260428-69-1
Formula:	C <sub>19</sub> H <sub>20</sub> FNO
Molecular Weight:	297.37
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	p38 $\alpha$ inhibitor 3 is a inhibitor of the mitogen-activated protein kinase p38 $\alpha$ that can block the effectiveness of myoblast differentiation.
Targets(IC50)	p38 MAPK

## Solubility Information

Solubility	DMSO: 41.67 mg/mL (140.13 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.3628 mL	16.8141 mL	33.6281 mL
5 mM	0.6726 mL	3.3628 mL	6.7256 mL
10 mM	0.3363 mL	1.6814 mL	3.3628 mL
50 mM	0.0673 mL	0.3363 mL	0.6726 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

Yael Friedmann, et al. JX401, A p38alpha inhibitor containing a 4-benzylpiperidine motif, identified via a novel screening system in yeast. Mol Pharmacol. 2006 Oct;70(4):1395-405.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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