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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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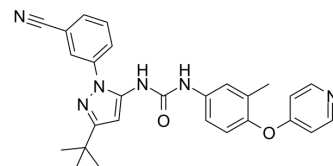
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PF-05381941

Cat. No.:	HY-120823
CAS No.:	1474022-02-0
Molecular Formula:	C ₂₇ H ₂₆ N ₆ O ₂
Molecular Weight:	466.53
Target:	MAP3K; p38 MAPK
Pathway:	MAPK/ERK Pathway
Storage:	Powder -20°C 3 years 4°C 2 years In solvent -80°C 6 months -20°C 1 month



SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (214.35 mM; Need ultrasonic)					
	Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg
		1 mM		2.1435 mL	10.7174 mL	21.4348 mL
		5 mM		0.4287 mL	2.1435 mL	4.2870 mL
		10 mM		0.2143 mL	1.0717 mL	2.1435 mL
Please refer to the solubility information to select the appropriate solvent.						
In Vivo	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.5 mg/mL (5.36 mM); Clear solution					
	2. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (5.36 mM); Clear solution					
	3. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 1.39 mg/mL (2.98 mM); Clear solution					

BIOLOGICAL ACTIVITY

Description	PF-05381941 is a potent dual inhibitor of TAK1/p38α, with IC ₅₀ s of 156 and 186 nM, respectively ^[1] .	
IC ₅₀ & Target	p38α 186 nM (IC ₅₀)	TAK1 156 nM (IC ₅₀)
In Vitro	PF-05381941 inhibits LPS-stimulated release of TNF-α from human peripheral mononuclear (PMN) cells with an IC ₅₀ of 8 nM ^[1] .	

MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Kilty I, et al. TAK1 inhibition in the DFG-out conformation. Chem Biol Drug Des. 2013;82(5):500-505.

Caution: Product has not been fully validated for medical applications. For research use only.

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