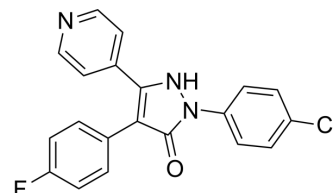


p38 MAPK-IN-4

Cat. No.:	HY-112466		
CAS No.:	219138-24-6		
Molecular Formula:	C ₂₀ H ₁₃ ClFN ₃ O		
Molecular Weight:	365.79		
Target:	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 : 20 mg/mL (54.68 mM; ultrasonic and adjust pH to 2 with 1M HCl)				
		Solvent Concentration	Mass 1 mg	5 mg	10 mg
	Preparing Stock Solutions	1 mM	2.7338 mL	13.6690 mL	27.3381 mL
		5 mM	0.5468 mL	2.7338 mL	5.4676 mL
10 mM		0.2734 mL	1.3669 mL	2.7338 mL	
Please refer to the solubility information to select the appropriate solvent.					
In Vivo	<ol style="list-style-type: none"> Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2 mg/mL (5.47 mM); Clear solution Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2 mg/mL (5.47 mM); Clear solution Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2 mg/mL (5.47 mM); Clear solution 				

BIOLOGICAL ACTIVITY

Description	p38 MAPK-IN-4 (compound 6) is a p38 MAPK inhibitor with an IC_{50} of 35 nM ^[1] .
IC₅₀ & Target	p38 35 nM (IC ₅₀)

REFERENCES

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

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