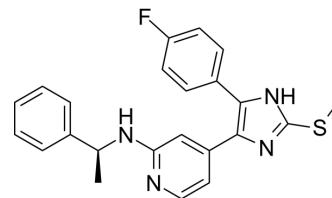


p38 MAP Kinase Inhibitor III

Cat. No.:	HY-112389	
CAS No.:	581098-48-8	
Molecular Formula:	C ₂₃ H ₂₁ FN ₄ S	
Molecular Weight:	404.5	
Target:	p38 MAPK	
Pathway:	MAPK/ERK Pathway	
Storage:	Powder	-20°C 3 years
	In solvent	-80°C 6 months
		-20°C 1 month



SOLVENT & SOLUBILITY

In Vitro

DMF : 20 mg/mL (49.44 mM; Need ultrasonic and warming)

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	2.4722 mL	12.3609 mL	24.7219 mL
5 mM	0.4944 mL	2.4722 mL	4.9444 mL
10 mM	0.2472 mL	1.2361 mL	2.4722 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

p38 MAP Kinase Inhibitor III (compound 7h) is a p38 MAPK inhibitor with an IC_{50} of 0.9 μ M. p38 MAP Kinase Inhibitor III also inhibits IL-1 β and TNF- α release with IC_{50} values of 0.37 μ M and 0.044 μ M, respectively^[1].

IC₅₀ & Target

p38 MAP kinase
0.9 μ M (IC₅₀)

CUSTOMER VALIDATION

- Food Chemistry Advances. 2023 May 9, 100307.

See more customer validations on www.MedChemExpress.com

REFERENCES

[1]. Stefan A Laufer, et al. Novel substituted pyridinyl imidazoles as potent anticytokine agents with low activity against hepatic cytochrome P450 enzymes. J Med Chem. 2003 Jul 17;46(15):3230-44.

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

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