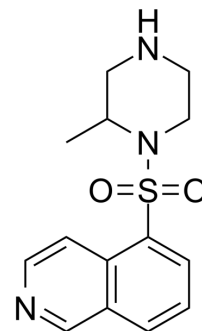


Protein kinase inhibitor H-7

Cat. No.:	HY-131900
CAS No.:	84477-87-2
Molecular Formula:	C ₁₄ H ₁₇ N ₃ O ₂ S
Molecular Weight:	291.37
Target:	PKC
Pathway:	Epigenetics; TGF-beta/Smad
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (343.21 mM; ultrasonic and warming and heat to 60°C)

Concentration	Mass			
	1 mg	5 mg	10 mg	
1 mM	3.4321 mL	17.1603 mL	34.3206 mL	
5 mM	0.6864 mL	3.4321 mL	6.8641 mL	
10 mM	0.3432 mL	1.7160 mL	3.4321 mL	

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

BIOLOGICAL ACTIVITY

Description

Protein kinase inhibitor H-7 is a potent inhibitor of protein kinase C (PKC) and cyclic nucleotide dependent protein kinase, with a K_i of 6 μM for PKC^[1].

IC₅₀ & Target

PKC
6 μM (K_i)

REFERENCES

[1]. Hidaka H, et, al. Isoquinolinesulfonamides, novel and potent inhibitors of cyclic nucleotide dependent protein kinase and protein kinase C. *Biochemistry*. 1984 Oct 9;23(21):5036-41.

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

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