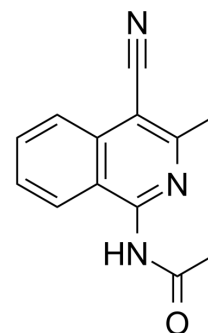


PKA-IN-1

Cat. No.:	HY-115732		
CAS No.:	179985-52-5		
Molecular Formula:	C ₁₃ H ₁₁ N ₃ O		
Molecular Weight:	225.25		
Target:	PKA		
Pathway:	Stem Cell/Wnt		
Storage:	Powder	-20°C	3 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 62.5 mg/mL (277.47 mM; ultrasonic and warming and heat to 80°C)

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	4.4395 mL	22.1976 mL	44.3951 mL
5 mM	0.8879 mL	4.4395 mL	8.8790 mL
10 mM	0.4440 mL	2.2198 mL	4.4395 mL

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

In Vivo

- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: ≥ 2.08 mg/mL (9.23 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

PKA-IN-1 is a potent and selective cyclic AMP-dependent protein kinase (PKA) catalytic subunit (cAK) inhibitor with an IC₅₀ of 0.03 μM^[1].

IC₅₀ & Target

IC₅₀: 0.03 μM (cAK)^[1]

REFERENCES

[1]. Z X Lu, et al. Selective inhibition of cyclic AMP-dependent protein kinase by isoquinoline derivative. Biol Chem Hoppe Seyler. 1996 Jun;377(6):373-8

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

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