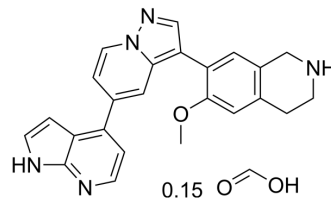


PKCiota-IN-2 formic

Cat. No.:	HY-122858A
Molecular Formula:	C ₂₅ H ₂₃ N ₅ O ₃
Molecular Weight:	402.36
Target:	PKC
Pathway:	Epigenetics; TGF-beta/Smad
Storage:	4°C, sealed storage, away from moisture and light * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (248.53 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	2.4853 mL	12.4267 mL	24.8534 mL
	5 mM	0.4971 mL	2.4853 mL	4.9707 mL
	10 mM	0.2485 mL	1.2427 mL	2.4853 mL

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

BIOLOGICAL ACTIVITY

Description

PKCiota-IN-2 formic is a potent PKCiota (PKC-I) inhibitor with an IC₅₀ of 2.8 nM. PKCiota-IN-2 formic also inhibits PKC-α and PKC-ε with IC₅₀s of 71 nM and 350 nM, respectively^[1].

IC₅₀ & Target

PKCiota 2.8 nM (IC ₅₀)	PKCα 71 nM (IC ₅₀)	PKCε 350 nM (IC ₅₀)
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REFERENCES

[1]. Jacek Kwiatkowski, et al. Fragment-Based Drug Discovery of Potent Protein Kinase C Iota Inhibitors. J Med Chem. 2018 May 24;61(10):4386-4396.

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

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