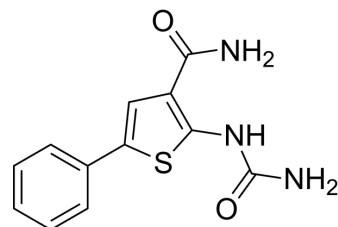


IKK2-IN-4

Cat. No.:	HY-112456
CAS No.:	354811-10-2
Molecular Formula:	C ₁₂ H ₁₁ N ₃ O ₂ S
Molecular Weight:	261.3
Target:	IKK
Pathway:	NF-κB
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 (382.70 mM; Need ultrasonic)					
	Preparing Stock Solutions	<div><div>Solvent</div><div>Concentration</div></div>	Mass	1 mg	5 mg	10 mg
		1 mM	3.8270 mL	19.1351 mL	38.2702 mL	
		5 mM	0.7654 mL	3.8270 mL	7.6540 mL	
		10 mM	0.3827 mL	1.9135 mL	3.8270 mL	
Please refer to the solubility information to select the appropriate solvent.						

BIOLOGICAL ACTIVITY

Description	IKK2-IN-4 (compound 4) is a potent IKK-2 inhibitor, with an IC ₅₀ of 25 nM. IKK2-IN-4 can inhibit the LPS-induced production of TNFα in PBMCs ^[1] .
IC ₅₀ & Target	IKK-2 25 nM (IC ₅₀)

REFERENCES

[1]. Baxter A, et, al. Hit-to-lead studies: the discovery of potent, orally active, thiophenecarboxamide IKK-2 inhibitors. Bioorg Med Chem Lett. 2004 Jun 7;14(11):2817-22.

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

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