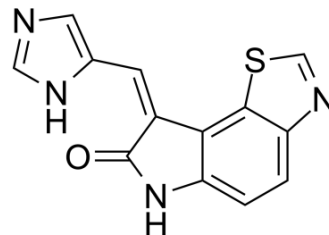


PKR-IN-C16

Cat. No.:	HY-13977A		
CAS No.:	608512-97-6		
Molecular Formula:	C ₁₃ H ₈ N ₄ OS		
Molecular Weight:	268.29		
Target:	Others		
Pathway:	Others		
Storage:	Powder	-20°C	3 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 7.35 mg/mL (27.40 mM; ultrasonic and warming and heat to 60°C)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	3.7273 mL	18.6365 mL	37.2731 mL
	5 mM	0.7455 mL	3.7273 mL	7.4546 mL
	10 mM	0.3727 mL	1.8637 mL	3.7273 mL

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

BIOLOGICAL ACTIVITY

Description

PKR-IN-C16 is a specific protein kinase (PKR) inhibitor. PKR-IN-C16 is able to inhibit the autophosphorylation of PKR and unlock the translation blockade induced by PKR in primary neuronal cultures^[1].

REFERENCES

[1]. Tronel C, et al. The specific PKR inhibitor C16 prevents apoptosis and IL-1 β production in an acute excitotoxic rat model with a neuroinflammatory component. *Neurochem Int.* 2014 Jan;64:73-83.

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

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