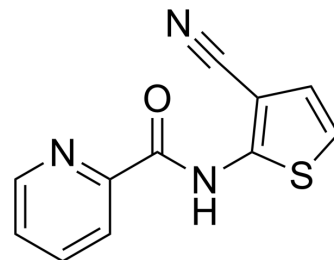


Casein kinase 1δ-IN-1

Cat. No.:	HY-148112		
CAS No.:	851871-94-8		
Molecular Formula:	C ₁₁ H ₇ N ₃ OS		
Molecular Weight:	229.26		
Target:	Casein Kinase		
Pathway:	Cell Cycle/DNA Damage; Stem Cell/Wnt		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 41.67 mg/mL (181.76 mM; ultrasonic and warming and heat to 80°C)

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	4.3619 mL	21.8093 mL	43.6186 mL
5 mM	0.8724 mL	4.3619 mL	8.7237 mL
10 mM	0.4362 mL	2.1809 mL	4.3619 mL

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

BIOLOGICAL ACTIVITY

Description

Casein kinase 1δ-IN-1 (compound 822) is an inhibitor of casein kinase 1 delta (CK1δ), exhibits inhibition of greater than 5%. Casein kinase 1δ-IN-1 can be used for neurodegenerative disorders such as Alzheimer's disease research^[1].

IC₅₀ & Target

CK1δ

REFERENCES

[1]. Sheridan Joseph M, et al. Casein kinase 1δ inhibitors for the treatment of neurodegenerative disorders: World Intellectual Property Organization, WO2012080729[P]. 2012-06-21.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA