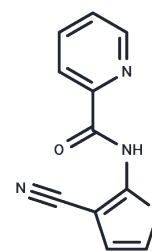


Casein kinase 1δ-IN-1

Chemical Properties

CAS No. :	851871-94-8
Formula:	C ₁₁ H ₇ N ₃ O ₂ S
Molecular Weight:	229.26
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



Biological Description

Description	Casein kinase 1δ-IN-1 (WAY-643895) is an inhibitor of casein kinase 1δ (CK1δ) and can be utilized in the study of neurodegenerative diseases, such as Alzheimer's disease.
Targets(IC50)	Casein Kinase

Solubility Information

Solubility	DMSO: 3.85 mg/mL (16.79 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
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
50 mM	0.0872 mL	0.4362 mL	0.8724 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

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

Knippschild U, et al. The role of the casein kinase 1 (CK1) family in different signaling pathways linked to cancer development. *Onkologie*. 2005;28(10):508-514.

Cheng HL, et al. Endogenous casein kinase I catalyzes the phosphorylation of the lens fiber cell connexin49. *Eur J Biochem*. 1999;263(1):276-286.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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