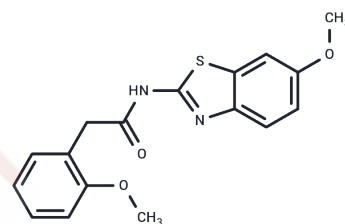


CK1-IN-3

## Chemical Properties

CAS No. : 349438-74-0  
 Formula: C<sub>17</sub>H<sub>16</sub>N<sub>2</sub>O<sub>3</sub>S  
 Molecular Weight: 328.39  
 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	CK1-IN-3 is casein kinase 1 (CK1) inhibitor and can be used for research on the treatment or prevention of diseases associated with circadian rhythm, inflammation diseases.
Targets(IC50)	Casein Kinase

## Solubility Information

Solubility	DMSO: 50 mg/mL (152.26 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	3.0452 mL	15.2258 mL	30.4516 mL
5 mM	0.609 mL	3.0452 mL	6.0903 mL
10 mM	0.3045 mL	1.5226 mL	3.0452 mL
50 mM	0.0609 mL	0.3045 mL	0.609 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

Ana MARTÍNEZ GIL, et al. Preparation of substituted benzothiazoles as casein kinase 1 inhibitors for the treatment of human diseases. WO2014114825A1

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