

CK2-IN-4

Chemical Properties

CAS No. : 313985-59-0

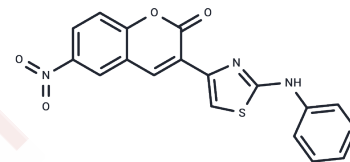
Formula: C₁₈H₁₁N₃O₄S

Molecular Weight: 365.36

Store at low temperature

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	CK2-IN-4 is a protein kinase (CK2) inhibitor with an IC ₅₀ value of 8.6 μM. CK2-IN-4 has potential anticancer and anti-inflammatory activity for the study of viral infections and glomerulonephritis diseases.
Targets(IC ₅₀)	Casein Kinase

Solubility Information

Solubility	DMSO: 5 mg/mL (13.69 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	2.737 mL	13.6851 mL	27.3703 mL
5 mM	0.5474 mL	2.737 mL	5.4741 mL
10 mM	0.2737 mL	1.3685 mL	2.737 mL
50 mM	0.0547 mL	0.2737 mL	0.5474 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

Nakanishi I, et al. Identification of protein kinase CK2 inhibitors using solvent dipole ordering virtual screening. Eur J Med Chem. 2015;96:396-404.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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