

CK2 inhibitor 3

Chemical Properties

CAS No. :

Formula: C13H9BrN4O3S

Molecular Weight: 381.2

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 inhibitor 3 is a highly potent inhibitor of protein kinase CK2, exhibiting an IC50 value of 280 nM. It effectively inhibits the intracellular activity of CK2 and displays a notable impact on the viability of tumor cells. Moreover, CK2 inhibitor 3 demonstrates exceptional selectivity among a diverse panel of 320 kinases [1].
Targets(IC50)	Others,Casein Kinase
In vitro	CK2 inhibitor 3 (compound 4) significantly reduces cell viability in Jurkat cells in a dose-dependent manner, with a DC50 value of 12.80 μ M after 24 hours at concentrations from 0 to 50 μ M [1]. Additionally, at 5 μ M and 20 μ M over 16 hours, it reduces CK2-dependent phospho-site Akt Ser129 levels, demonstrating targeted efficacy [1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.6233 mL	13.1165 mL	26.2329 mL
5 mM	0.5247 mL	2.6233 mL	5.2466 mL
10 mM	0.2623 mL	1.3116 mL	2.6233 mL
50 mM	0.0525 mL	0.2623 mL	0.5247 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481