

CAF-382

Chemical Properties

CAS No. :

Formula: C₁₆H₂₂N₄O₂S₂

Molecular Weight: 366.5

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	CAF-382 (compound B1), an analog of SNS-032, functions as a CDKL5 and pan-CDK inhibitor, exhibiting modest inhibitory activity against GSK3 α/β with an affinity greater than 1.8 μ M. It effectively inhibits CDKL5 and impedes the phosphorylation of the CDKL5 E2 domain [1].
Targets(IC50)	CDK
In vitro	CAF-382 (Compound B1) at concentrations ranging from 5 nM to 5 μ M resulted in a significant decrease in pSer222 EB2 levels at 5 nM, without altering the total EB2 levels [1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.7285 mL	13.6426 mL	27.2851 mL
5 mM	0.5457 mL	2.7285 mL	5.457 mL
10 mM	0.2729 mL	1.3643 mL	2.7285 mL
50 mM	0.0546 mL	0.2729 mL	0.5457 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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