

PF-3837

Chemical Properties

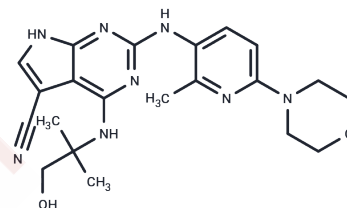
CAS No. : 2772910-13-9

Formula: C₂₁H₂₆N₈O₂

Molecular Weight: 422.48

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	PF-3837 is an inhibitor of the Mps1 kinase, with a K_i value of 0.33 nM and an IC_{50} value of 5.5 nM. It disrupts cell cycle checkpoints by inhibiting the catalytic activity of Mps1, thereby reducing genomic stability and leading to cancer cell apoptosis (Apoptosis). PF-3837 is utilized in the study of breast cancer.
Targets(IC_{50})	Apoptosis, Kinesin

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.367 mL	11.8349 mL	23.6698 mL
5 mM	0.4734 mL	2.367 mL	4.734 mL
10 mM	0.2367 mL	1.1835 mL	2.367 mL
50 mM	0.0473 mL	0.2367 mL	0.4734 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