

AZD8421

Chemical Properties

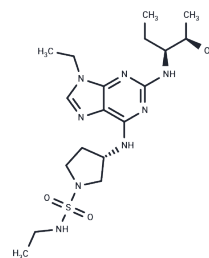
CAS No. : 3047321-53-6

Formula: C₁₈H₃₂N₈O₃S

Molecular Weight: 440.56

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

AZD8421 is a potent and highly selective inhibitor of cyclin-dependent kinase 2 (CDK2) with an IC₅₀ of 9nM, demonstrating greater selectivity over CDK1, CDK4, and CDK6. This compound also exhibits antiproliferative properties by effectively inhibiting Rb phosphorylation. In models of breast and ovarian cancer, AZD8421 has shown significant activity both as a monotherapy and in combination with CDK4/6 inhibitors.

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.2698 mL	11.3492 mL	22.6984 mL
5 mM	0.454 mL	2.2698 mL	4.5397 mL
10 mM	0.227 mL	1.1349 mL	2.2698 mL
50 mM	0.0454 mL	0.227 mL	0.454 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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