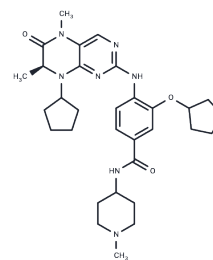


PLK1/BRD4-IN-3

Chemical Properties

CAS No. : 2251709-91-6
 Formula: C₃₁H₄₃N₇O₃
 Molecular Weight: 561.72
 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	Compound 21, also known as PLK1/BRD4-IN-3, acts as a selective dual inhibitor targeting both bromodomain 4 (BRD4) and polo-like kinase 1 (PLK1). It effectively inhibits BRD4-BD1, PLK1, and BRDT-BD1, exhibiting IC ₅₀ values of 0.059, 0.127, and 0.245 μM, respectively.
Targets(IC ₅₀)	Epigenetic Reader Domain,PLK

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.7802 mL	8.9012 mL	17.8025 mL
5 mM	0.356 mL	1.7802 mL	3.5605 mL
10 mM	0.178 mL	0.8901 mL	1.7802 mL
50 mM	0.0356 mL	0.178 mL	0.356 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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