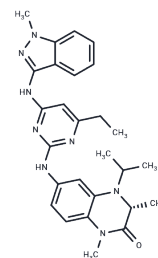


BRD4 Inhibitor-40

Chemical Properties

CAS No. :	2994635-04-8
Formula:	C ₂₇ H ₃₂ N ₈ O
Molecular Weight:	484.596
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	BRD4 Inhibitor-40 (Compound 23) functions as an inhibitor of BRD, effectively targeting BRD4-BD1, BRD4-BD2, BRD2-BD1, and BRD2-BD2, with IC ₅₀ values of 16.1, 142.18, 29.35, and 302.35 nM, respectively. It modulates the expression of c-Myc and p21, induces cell cycle arrest in the G1 phase, and inhibits Pkd1-deficient (PN) renal cystic epithelial cells. Additionally, it prevents renal cyst formation in both Madin-Darby canine kidney and embryonic kidney cyst models, and demonstrates renal cyst inhibition activity in mouse models.
Targets(IC ₅₀)	Epigenetic Reader Domain,c-Myc

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.0636 mL	10.3178 mL	20.6356 mL
5 mM	0.4127 mL	2.0636 mL	4.1271 mL
10 mM	0.2064 mL	1.0318 mL	2.0636 mL
50 mM	0.0413 mL	0.2064 mL	0.4127 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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