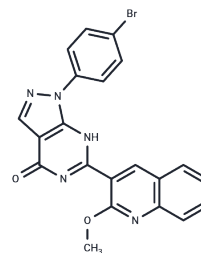


PDE5-IN-3

Chemical Properties

CAS No. :	2538149-57-2
Formula:	C ₂₁ H ₁₄ BrN ₅ O ₂
Molecular Weight:	448.27
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	PDE5-IN-3 (compound 11j) is a potent inhibitor of PDE5 (IC ₅₀ : 1.57 nM) and has a moderate inhibitory effect on EGFR (IC ₅₀ : 5.827 μM). It markedly inhibits the Wnt/β-catenin pathway (IC ₅₀ : 1286.96 ng/mL), induces the intrinsic apoptotic mitochondrial pathway in HepG2 cells, and exhibits significant antitumor effects.
Targets(IC ₅₀)	Apoptosis,EGFR,Others,PDE,Wnt/beta-catenin

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.2308 mL	11.154 mL	22.308 mL
5 mM	0.4462 mL	2.2308 mL	4.4616 mL
10 mM	0.2231 mL	1.1154 mL	2.2308 mL
50 mM	0.0446 mL	0.2231 mL	0.4462 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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