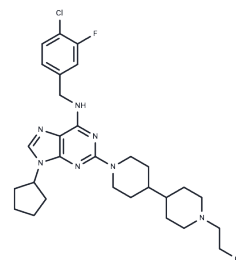


Anticancer agent 199

Chemical Properties

CAS No. :	2422001-24-7
Formula:	C ₂₉ H ₃₉ ClFN ₇ O
Molecular Weight:	556.12
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	Anticancer agent 199 (Compound G-4) is a derivative of the cyclin-dependent kinase inhibitor Rocovotine [1]. It prompts apoptosis in triple negative breast cancer (TNBC) cells through the mitochondrial pathway by inhibiting the EGFR, AKT, and MAPK pathways. Furthermore, it triggers Ferroptosis by suppressing LCN2 and reduces TNBC cell viability and migration while inducing S phase cell cycle arrest.
Targets(IC50)	Apoptosis, Ferroptosis

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.7982 mL	8.9909 mL	17.9817 mL
5 mM	0.3596 mL	1.7982 mL	3.5963 mL
10 mM	0.1798 mL	0.8991 mL	1.7982 mL
50 mM	0.036 mL	0.1798 mL	0.3596 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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