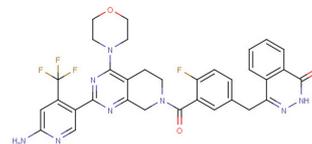


PARP/PI3K-IN-1

Chemical Properties

CAS No.:	2337386-47-5
Formula:	C33H28F4N8O3
Molecular Weight:	660.62
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



Biological Description

Description	PARP/PI3K-IN-1 is a potent inhibitor of PARP/PI3K(pIC50 values of 8.22).
Targets(IC50)	PARP-1: 8.22(pIC50) PARP-2: 8.44(pIC50) PI3K α : 8.25(pIC50) PI3K δ : 8.13(pIC50) PI3K γ : 6.08(pIC50) PI3K β : 6.54(pIC50)
In vitro	PARP/PI3K-IN-1 not only shows significant inhibitory activity against BRCA-deficient cells HCC1937 and HCT116, but also displays potent anti-proliferative activity against BRCA-proficient cells MDA-MB-231 and MDA-MB-468[1].
In vivo	PARP/PI3K-IN-1 significantly suppresses the tumor growth[1].

Solubility Information

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.514 mL	7.569 mL	15.137 mL
5 mM	0.303 mL	1.514 mL	3.027 mL
10 mM	0.151 mL	0.757 mL	1.514 mL
50 mM	0.03 mL	0.151 mL	0.303 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

1. Wang J, et al. Discovery of Novel Dual Poly(ADP-ribose)polymerase and Phosphoinositide 3-Kinase Inhibitors as a Promising Strategy for Cancer Therapy. *J Med Chem.* 2020 Jan 9;63(1):122-139.

Inhibitors · Natural Compounds · Compound Libraries

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