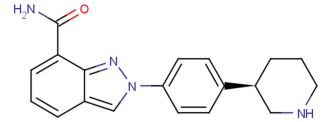


Data Sheet (Cat.No.T12064)

Niraparib R-enantiomer

Chemical Properties

CAS No.:	1038915-58-0
Formula:	C ₁₉ H ₂₀ N ₄ O
Molecular Weight:	320.39
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



Biological Description

Description	Niraparib R-enantiomer is an inhibitor of PARP1 (IC ₅₀ of 2.4 nM).
Targets(IC ₅₀)	PARP-1: 2.4 nM
In vitro	Niraparib R-enantiomer has somewhat lower in vitro metabolic clearance than the Niraparib S-enantiomer in rat liver microsomes, but Niraparib S-enantiomer is more potent in cell based assays (PARylation EC ₅₀ , Niraparib R-enantiomer=30 nM, Niraparib S-enantiomer=4.0 nM; BRCA1-HeLa CC ₅₀ , Niraparib R-enantiomer=470, Niraparib S-enantiomer=34 nM). [1].

Solubility Information

Solubility	DMSO: 32 mg/mL (99.88 mM) (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.121 mL	15.606 mL	31.212 mL
5 mM	0.624 mL	3.121 mL	6.242 mL
10 mM	0.312 mL	1.561 mL	3.121 mL
50 mM	0.062 mL	0.312 mL	0.624 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. Jones P, et al. Discovery of 2-{4-[(3S)-piperidin-3-yl]phenyl}-2H-indazole-7-carboxamide (MK-4827): a novel oral poly(ADP-ribose)polymerase (PARP) inhibitor efficacious in BRCA-1 and -2 mutant tumors. J Med Chem. 2009 Nov 26;52(22):7170-85.

Inhibitors · Natural Compounds · Compound Libraries

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