

MK-4827 Racemate

Chemical Properties

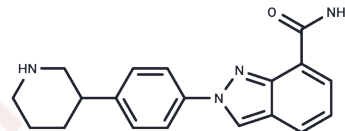
CAS No. : 1038915-75-1

Formula: C₁₉H₂₀N₄O

Molecular Weight: 320.39

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	MK-4827 Racemate (Niraparib Racemate) is a selective PARP1 and PARP2 inhibitor with IC ₅₀ s of 3.8 nM and 2.1 nM, respectively, over 330-fold selectivity for PARP3, V-PARP and Tank1.
Targets(IC ₅₀)	PARP

Solubility Information

Solubility	DMSO: 60 mg/mL (187.27 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.1212 mL	15.606 mL	31.212 mL
5 mM	0.6242 mL	3.1212 mL	6.2424 mL
10 mM	0.3121 mL	1.5606 mL	3.1212 mL
50 mM	0.0624 mL	0.3121 mL	0.6242 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.

Reference

Schäfer P, Palacin T, Sidera M, Fletcher SP. Asymmetric Suzuki-Miyaura coupling of heterocycles via Rhodium-catalysed allylic arylation of racemates. Nat Commun. 2017 Jun 13;8:15762.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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