

Niraparib tosylate monohydrate

Chemical Properties

CAS No. : 1613220-15-7

Formula: C₂₆H₃₀N₄O₅S

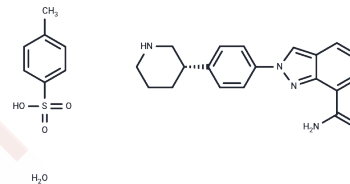
Molecular Weight: 510.61

Storage:

Keep away from direct sunlight, Store at low temperature, Keep away from moisture

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	Niraparib, also known as MK-4827, is an inhibitor of poly (ADP-ribose) polymerase (PARP) with potential antineoplastic activity. MK4827 inhibits PARP activity, enhancing the accumulation of DNA strand breaks and promoting genomic instability and apoptosis. The PARP family of proteins detect and repair single strand DNA breaks by the base-excision repair (BER) pathway.
Targets(IC50)	Apoptosis, PARP

Solubility Information

Solubility	H ₂ O: 1 mg/mL (1.96 mM), Sonication is recommended. DMSO: 247.5 mg/mL (484.71 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 10 mg/mL (19.58 mM), Solution. 10% DMSO+90% Saline: 10 mg/mL (19.58 mM), Solution. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.9584 mL	9.7922 mL	19.5844 mL
5 mM	0.3917 mL	1.9584 mL	3.9169 mL
10 mM	0.1958 mL	0.9792 mL	1.9584 mL
50 mM	0.0392 mL	0.1958 mL	0.3917 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

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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