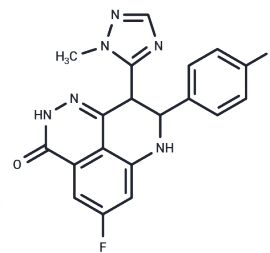


## (rac)-Talazoparib

## Chemical Properties

CAS No. :	1207454-56-5
Formula:	C <sub>19</sub> H <sub>14</sub> F <sub>2</sub> N <sub>6</sub> O
Molecular Weight:	380.351
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	(rac)-Talazoparib ((rac)-BMN-673) (Compound 47) is an orally active inhibitor of PARP1/2, with $K_i$ values of 1.2 nM and 0.87 nM, respectively. It inhibits cellular PARylation at an $EC_{50}$ of 2.51 nM. This compound leads to the accumulation of DNA damage and suppresses the proliferation of BRCA1/2-mutated MX-1 and Capan-1 cells, with $IC_{50}$ values of 0.3 nM and 5 nM, respectively. Additionally, (rac)-Talazoparib exhibits antitumor activity in mouse models.
Targets( $IC_{50}$ )	PARP

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.6292 mL	13.1458 mL	26.2916 mL
5 mM	0.5258 mL	2.6292 mL	5.2583 mL
10 mM	0.2629 mL	1.3146 mL	2.6292 mL
50 mM	0.0526 mL	0.2629 mL	0.5258 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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