

Store at  
-20C  
#80577**Talazoparib**

5 mg



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<b>Background</b>	Talazoparib (BMN 673) is a potent, selective PARP inhibitor with an IC <sub>50</sub> value for PARP1 of 0.57 nM. It can inhibit both PARP1 and PARP2, but not PARG. Talazoparib selectively targets tumor cells with <i>BRCA1</i> , <i>BRCA2</i> , and <i>PTEN</i> gene mutations. It is effective in inducing antitumor activity <i>in vivo</i> in xenografted tumors from mice (1).
<b>Molecular Formula</b>	C <sub>19</sub> H <sub>14</sub> F <sub>2</sub> N <sub>6</sub> O
<b>Molecular Weight</b>	380.4 g/mol
<b>Purity</b>	>97%
<b>CAS</b>	1207456-01-6
<b>Solubility</b>	Soluble in DMSO at 20 mg/mL.
<b>Storage</b>	Store lyophilized at -20°C, desiccated. In lyophilized form, the chemical is stable for 24 months. Once in solution, store at -20°C and use within 3 months to prevent loss of potency. <i>Aliquot to avoid multiple freeze/thaw cycles.</i>
<b>Directions for Use</b>	Talazoparib is supplied as a lyophilized powder. For a 10 mM stock, reconstitute 5 mg of powder in 1.31 mL of DMSO. Working concentrations and length of treatment can vary depending on the desired effect.
<b>Background References</b>	1. Shen, Y. et al. (2013) <i>Clin Cancer Res</i> 19, 5003-15.

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