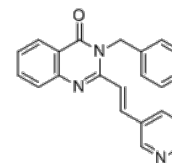


**Product Name** : RAD51 inhibitor B02  
**Cat. No.** : PC-62842  
**CAS No.** : 1290541-46-6  
**Molecular Formula** : C<sub>22</sub>H<sub>17</sub>N<sub>3</sub>O  
**Molecular Weight** : 339.4  
**Target** : RAD51  
**Solubility** : 10 mM in DMSO



### Biological Activity

RAD51 inhibitor B02 is a small molecule that specifically inhibits the DNA strand exchange activity of human **RAD51** with IC<sub>50</sub> of 27.4 uM, disrupts RAD51 binding to DNA, inhibits HR and increases cell sensitivity to DNA damage. RAD51 inhibitor B02 increases apoptosis and reduces viability of multiple myeloma cells. RAD51 inhibitor B02 enhances the effect of cisplatin on triple-negative breast cancer cells in a mouse xenograft model.

### References

Huang F, et al. *J Med Chem.* 2012 Apr 12;55(7):3011-20.  
Huang F, et al. *ACS Chem Biol.* 2011 Jun 17;6(6):628-35.  
Huang F, et al. *PLoS One.* 2014 Jun 27;9(6):e100993.

**Caution: Product has not been fully validated for medical applications. Lab Use Only!**

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