

Product Name : RAD51 Inhibitor B02

Synonyms : B02;B-02;B 02

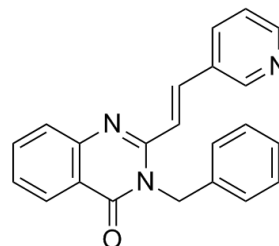
Cat No. : M11177

CAS Number : 1290541-46-6

Molecular Formula : C₂₂H₁₇N₃O

Formula Weight : 339.39

Chemical Name : 4(3H)-Quinazolinone, 3-(phenylmethyl)-2-[(1E)-2-(3-pyridinyl)ethenyl]-



Description : A specific human RAD51 recombinase inhibitor with IC₅₀ of 27.4 uM; shows no activity against E. coli homologue RecA (IC₅₀>250 uM), disrupts RAD51 binding to DNA and specifically inhibits the DNA strand exchange activity of human RAD51; inhibits homologous recombination (HR) and increases cell sensitivity to DNA damage, sensitizes multiple myeloma cells to doxorubicin.

Pathway : Cell Cycle/DNA Damage

Target : RAD51

Receptor : RAD51

Solubility : DMSO: ≥ 37 mg/mL

SMILES : O=C1N(CC2=CC=CC=C2)C(/C=C/C3=CC=CN=C3)=NC4=C1C=CC=C4

Storage : (-20°C)

Stability : ≥ 2 years

Reference :

1. Huang F, et al. ACS Chem Biol. 2011 Jun 17;6(6):628-35.| 2. Huang F, et al. J Med Chem. 2012 Apr 12;55(7):3011-20.| 3. Alagpulinsa DA, et al. Front Oncol. 2014 Oct 30;4:289.| 4. Maes K, et al. Oncotarget. 2014 May 30;5(10):3115-29.