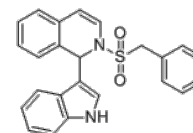


Product Name : IBR2
Cat. No. : PC-62970
CAS No. : 313526-24-8
Molecular Formula : C₂₄H₂₀N₂O₂S
Molecular Weight : 400.496
Target : DNA Repair Protein
Solubility : 10 mM in DMSO



Biological Activity

IBR2 is a novel small molecule **RAD51** inhibitor that specifically binds to RAD51 and disrupts the BRC repeats of BRCA2/RAD51 interaction with IC₅₀ of 0.11 μ M.

IBR2 disrupts RAD51 multimerization and inhibits RAD51-mediated HR repair, reduces RAD51 protein levels via proteasome-mediated degradation.

IBR2 inhibits cell growth and induces apoptosis in imatinib-resistant T315I-Ba/F3 cells.

IBR2 significantly prolongs animal survival in a murine imatinib-resistant CML model bearing the T315I Bcr-abl mutation.

References

Zhu J, et al. *EMBO Mol Med*. 2013 Mar;5(3):353-65.

Ferguson PJ, et al. *J Pharmacol Exp Ther*. 2017 Oct 23. pii: jpet.117.241661.

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

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