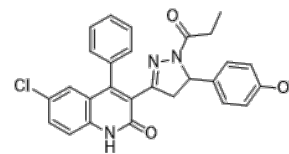


Product Name : RS-35d
Cat. No. : PC-24243
CAS No. :
Molecular Formula : C₂₈H₂₄ClN₃O₃
Molecular Weight : 485.97
Target : RAD51
Solubility : 10 mM in DMSO



Biological Activity

RS-35d (RAD51-BRCA2 inhibitor 35d) is a small molecule inhibitor of BRCA2-RAD51 with EC₅₀ of 19 μ M in ELISA assays, binds to RAD51 with K_d of 11 μ M, disrupts the RAD51-BRCA2 protein-protein interaction, thus mimicking the effect of BRCA2 mutation.

RS-35d inhibits the homologous recombination in a human pancreatic adenocarcinoma cell line.

RS-35d synergizes with olaparib (a PARPi) to trigger synthetic lethality.

References

Bagnolini G, et al. J Med Chem. 2020 Mar 12;63(5):2588-2619.

Masi M, et al. Cell Death Discov. 2025 Mar 16;11(1):106.

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

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