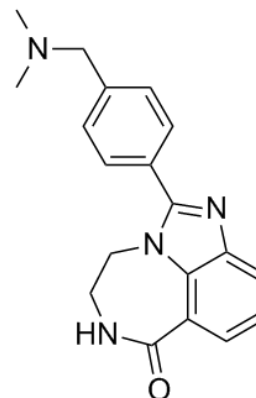


Product Name : AG14361
Cat. No. : PC-42846
CAS No. : 328543-09-5
Molecular Formula : C₁₉H₂₀N₄O
Molecular Weight : 320.3883
Target : PARP
Solubility : DMSO: ≥ 32 mg/mL



Biological Activity

AG14361 is a potent, specific and competitive inhibitor of **PARP-1** with K_i of 5.8 nM.

AG14361 shows potent amplification of the cytotoxic effects of temozolomide (TM) and topotecan (TP) against A549 cells, inhibits LoVo Cell Line with GI₅₀ of 11.2 uM alone.

AG14361 increases the delay of LoVo xenograft growth induced by irinotecan, x-irradiation, or temozolomide by two- to threefold with nontoxicity, causes complete regression of SW620 xenograft tumors combined with temozolomide.

References

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Curtin NJ, et al. **Clin Cancer Res.** 2004 Feb 1;10(3):881-9.

Smith LM, et al. **Clin Cancer Res.** 2005 Dec 1;11(23):8449-57.

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

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