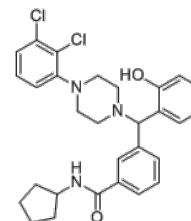


Product Name : pBAD599 inhibitor NPB
Cat. No. : PC-49291
CAS No. : 2247491-97-8
Molecular Formula : C₂₉H₃₁Cl₂N₃O₂
Molecular Weight : 524.486
Target : Bcl-2
Solubility : 10 mM in DMSO



Biological Activity

NPB (pBAD599 inhibitor NPB) is a small molecule that inhibits BCL-2-associated death promoter (**BAD**) phosphorylation **specifically at Ser99** with IC₅₀ of 0.41 M.

NPB effectively induces apoptosis and reduces cell viability in various human cancer cell lines (A2780 cell, IC₅₀=6.57 μM).

NPB exhibits synergistic effects with cisplatin in both cisplatin-sensitive and -resistant cell lines. decreases CSC-like properties of EOC cells, markedly decreases high expressions of NANOG, OCT4, WNT5B, NOTCH1, and ALDH1A1 in A2780cis cells.

NPB and cisplatin combination reduced tumor volume and tumor weight in ovarian cancer xenografts.

References

Pandey V, et al. *Proc Natl Acad Sci U S A*. 2018 Oct 30;115(44):E10505-E10514.

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

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