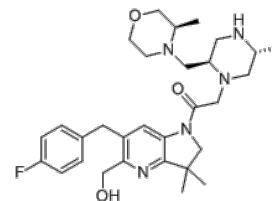


Product Name : ASTX660
Cat. No. : PC-63391
CAS No. : 1799328-86-1
Molecular Formula : C₃₀H₄₂FN₅O₃
Molecular Weight : 539.696
Target : IAP
Solubility : 10 mM in DMSO



Biological Activity

Tolinapant (ASTX660) is a novel potent IAP antagonist that targets the **BIR3 domain of cIAP1/2 and XIAP** with IC₅₀ of 12 nM and <40 nM.

ASTX660 potently inhibits association between XIAP and caspase 9 in HEK293 cell line with EC₅₀ of 2.8 nM, binds to and leads to the degradation of cIAP1/2 and stabilisation of NIK in cell.

ASTX660 induces apoptosis in MDA-MB-231 cells with EC₅₀ of 1.8 nM, which is TNF- α -dependent.

ASTX660 inhibits tumor growth in mice bearing breast and melanoma tumor xenografts.

References

Ward GA, et al. *Mol Cancer Ther.* 2018 Apr 25. pii: molcanther.0848.2017.

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

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