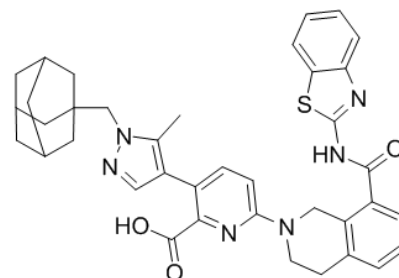


Product Name : A-1331852
Cat. No. : PC-45700
CAS No. : 1430844-80-6
Molecular Formula : C₃₈H₃₈N₆O₃S
Molecular Weight : 658.8117
Target : Bcl-2
Solubility : DMSO: ≥ 12 mg/mL



Biological Activity

A-1331852 (A1331852) is a potent and selective **BCL-XL** inhibitor ($K_i < 10$ pM).

A-1331852 shows much weaker affinity for BCL-2 ($K_i = 6$ nM), BCL-W ($K_i = 4$ nM), and MCL-1 ($K_i = 142$ nM).

A-1331852 selectively disrupts BCL-XL–BIM complexes and induces the hallmarks of apoptosis in BCL-XL–dependent Molt-4 cells (Molt-4 viability $IC_{50} = 6$ nM).

A-1331852 demonstrates antitumor efficacy in the Molt-4 xenograft model; orally active.

References

Leverson JD, et al. *Sci Transl Med*. 2015 Mar 18;7(279):279ra40.

Punnoose EA, et al. *Mol Cancer Ther*. 2016 May;15(5):1132-44.

Lucas CM, et al. *Leukemia*. 2016 Jun;30(6):1273-81.

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

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