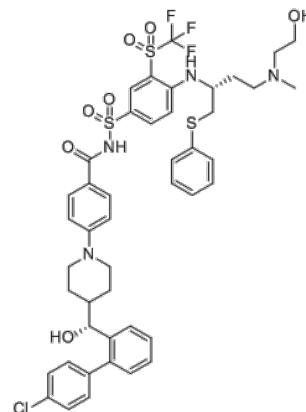


Product Name : AZD 4320
Cat. No. : PC-61988
CAS No. : 1357576-48-7
Molecular Formula : C₄₅H₄₈ClF₃N₄O₇S₃
Molecular Weight : 945.525
Target : Bcl-2
Solubility : 10 mM in DMSO



Biological Activity

AZD4320 is a BH3 mimetic and dual **Bcl-2/Bcl-XL** inhibitor with IC₅₀ of <1 nM. AZD4320 induces caspase-3 cleavage and cell death in both Bcl-2-driven (SuDHL4, GI₅₀ <50 nM) and Bcl-xL-driven (SuDHL8, GI₅₀ <50 nM) diffuse large B-cell lymphoma (DLBCL) cell lines. AZD4320 treatment results in complete and sustained (>24 days) tumor regressions in a mouse RS4;11 acute lymphocytic leukemia xenograft model (20 mg/kg, i.v.).

References

- Ashkenazi A, et al. *Nat Rev Drug Discov.* 2017 Apr;16(4):273-284.
- Hennessy, E. J. et al. Discovery of potent inhibitors of the antiapoptotic proteins Bcl-2 and Bcl-xL, resulting in the identification of a clinical candidate for the treatment of cancer (AZD4320). ACS Medicinal Chemistry annual meeting 2015.

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

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