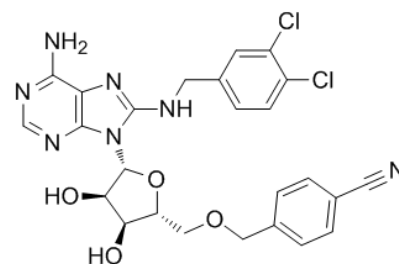


Product Name : VER-155008
Cat. No. : PC-42747
CAS No. : 1134156-31-2
Molecular Formula : C₂₅H₂₃Cl₂N₇O₄
Molecular Weight : 556.4006
Target : Heat Shock Protein (HSP)
Solubility : DMSO: ≥ 37 mg/mL



Biological Activity

VER-155008 is a potent **Hsp70 family** (Hsc70/Hsp7/Grp78) inhibitor with K_d of 80 nM for Grp78. VER-155008 shows cellular activity in HCT116 cells (GI₅₀= 5uM), has similar potencies in both Grp78 and Hsp70. VER-155008 inhibits the proliferation of human breast and colon cancer cell lines with GI₅₀s of 5.3-14.4 uM, and induces Hsp90 client protein degradation in both HCT116 and BT474 cells. VER-155008 induced caspase-3/7 dependent apoptosis in BT474 cells.

References

- Macias AT, et al. *J Med Chem*. 2011 Jun 23;54(12):4034-41.
 Massey AJ, et al. *Cancer Chemother Pharmacol*. 2010 Aug;66(3):535-45.
 Kim SH, et al. *Biochem Biophys Res Commun*. 2014 Nov 7;454(1):36-41.

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

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