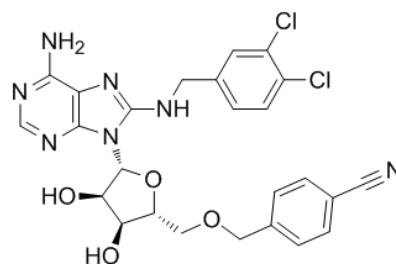


**Product Name** : VER-155008  
**Cat. No.** : PC-42747  
**CAS No.** : 1134156-31-2  
**Molecular Formula** : C<sub>25</sub>H<sub>23</sub>Cl<sub>2</sub>N<sub>7</sub>O<sub>4</sub>  
**Molecular Weight** : 556.4006  
**Target** : Heat Shock Protein (HSP)  
**Solubility** : DMSO: ≥ 37 mg/mL



## Biological Activity

VER-155008 is a potent **Hsp70 family** (Hsc70/Hsp7/Grp78) inhibitor with K<sub>d</sub> of 80 nM for Grp78. VER-155008 shows cellular activity in HCT116 cells (GI<sub>50</sub>= 5μM), has similar potencies in both Grp78 and Hsp70. VER-155008 inhibits the proliferation of human breast and colon cancer cell lines with GI<sub>50</sub>s of 5.3-14.4 μM, 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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