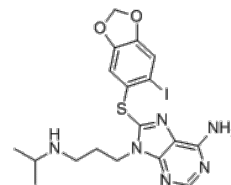


Product Name : PU-H71
Cat. No. : PC-72710
CAS No. : 873436-91-0
Molecular Formula : C₁₈H₂₁N₆O₂S
Molecular Weight : 512.37
Target : Heat Shock Protein (HSP)
Solubility : 100 mM in DMSO (51.2 mg/mL)



Biological Activity

PU-H71 (Zelavespib, NSC 750424) is a potent and selective inhibitor of **Hsp90** (Heat shock protein 90) with IC₅₀ of 51 nM in MDA-MB-468 cells.

PU-H71 inhibits cell growth in a range of breast cancer cell lines with IC₅₀ values of 17, 31, 65, 87 and 140 nM for SKBr3, MCF-7, MDA-MB-468, HCC-1806 and MDA-MB-231 cells, respectively.

PU-H71 inhibits cell proliferation and induce apoptosis in triple-negative breast cancer (TNBC) cells.

PU-H71 demonstrated anti-lymphoma activity and showed synergistic effect with dual PI3K/mTOR inhibition in vitro and in vivo.

References

- Huazhong He, et al. *J Med Chem.* 2006 Jan 12;49(1):381-90.
Eloisi Caldas-Lopes, et al. *Proc Natl Acad Sci U S A.* 2009 May 19;106(20):8368-73.
Carmel T Chan, et al. *Cancer Res.* 2008 Jan 1;68(1):216-26.
Giulino-Roth L, et al. *Mol Cancer Ther.* 2017 Sep;16(9):1779-1790.

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

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