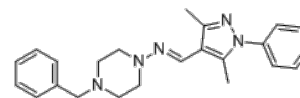


Product Name : SANT-1
Cat. No. : PC-62171
CAS No. : 304909-07-7
Molecular Formula : C₂₃H₂₇N₅
Molecular Weight : 373.504
Target : Smoothened (Smo)
Solubility : 10 mM in DMSO



Biological Activity

SANT-1 is a potent, cell-permeable **Smoothened** inhibitor (K_d=1.2 nM) that inhibits Sonic hedgehog (Shh) signaling. SANT-1 inhibits smoothened agonist effects with an IC₅₀ of 20 nM in Shh-LIGHT2 cells. SANT-1 significantly reduces Gli1 gene expression, and reduces proliferation of glioma stem-like cells.

References

- Chen JK, et al. *Proc Natl Acad Sci U S A*. 2002 Oct 29;99(22):14071-6.
Cohen JR, et al. *BMC Cancer*. 2010 Dec 9;10:676.
Dixit D, et al. *Cancer Lett*. 2013 Aug 19;336(2):347-58.

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

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