

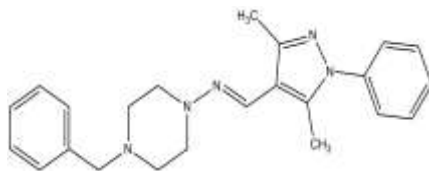
## SANT-1

**ALTERNATE NAME:** N-[(3,5-dimethyl-1-phenyl-1H-pyrazol-4-yl)methylene]-4-(phenylmethyl)-1-piperazinamine

**CATALOG #:** 1978-1, 5

**AMOUNT:** 1 mg, 5 mg

**STRUCTURE:**



**MOLECULAR FORMULA:** C<sub>23</sub>H<sub>27</sub>N<sub>5</sub>

**MOLECULAR WEIGHT:** 373.49

**CAS NUMBER:** 304909-07-7

**APPEARANCE:** Pale yellow solid

**SOLUBILITY:** DMSO (~50 mM) or EtOH (~25 mM)

**PURITY:** ≥98% by HPLC

**STORAGE:** Store at -20 °C. Protect from air and light.

**DESCRIPTION:** Cell-permeable. A potent inhibitor of Sonic hedgehog (Shh) signaling; high affinity antagonist of smoothed activity (K<sub>d</sub> = 1.2 nM). Inhibits smoothed agonist effects with an IC<sub>50</sub> of 20 nM in Shh-LIGHT2 cells. SANT-1 inhibits both wild type and oncogenic Smo with equal potency.

**REFERENCE:** Chen, J.K., *et al.* (2002). *Proc. Natl. Acad. Sci. USA* **99**, 14071-14076.

**HANDLING:** Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

**FOR RESEARCH USE ONLY! Not to be used on humans.**

**RELATED PRODUCTS:**

- Cyclopamine (**Cat. No. 1578-5**)
- Cyclopamine-KAAD (**Cat. No. 1910-50**)
- GANT58 (**Cat. No. 1812-5, 25**)
- GANT61 (**Cat. No. 1892-5**)
- GDC-0449 (**Cat. No. 1890-5, 25**)
- Hh Signaling Pathway Antagonist (**Cat. No. 1659-1**)
- DiscoveryPak™ hedgehog Signaling Pathway Antagonists Set (**Cat. No. K868-6**)
- JK-184 (**Cat. No. 1726-1**)
- Purmorphamine (**Cat. No. 1672-5**)
- Robotnikinin (**Cat. No. 1923-1**)
- SANT-2 (**Cat. No. 1976-1, 5**)
- Sonic Hedgehog, human recombinant (**Cat. No. 4010-25, 100, 1000**)
- Sonic Hedgehog, human recombinant (**Cat. No. 4020-25, 100, 1000**)
- Tomatidine hydrochloride (**Cat. No. 1893-25**)