

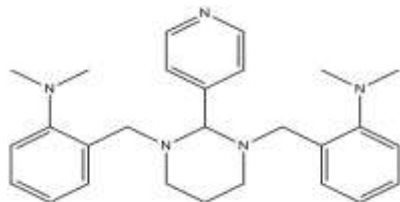
## GANT61

**ALTERNATE NAME:** 2,2'-[[dihydro-2-(4-pyridinyl)-1,3(2H,4H)-pyrimidinediyl]bis(methylene)]bis(N,N-dimethyl-benzenamine); NSC 136476

**CATALOG #:** 1892-5

**AMOUNT:** 5 mg

**STRUCTURE:**



**MOLECULAR FORMULA:** C<sub>27</sub>H<sub>35</sub>N<sub>5</sub>

**MOLECULAR WEIGHT:** 429.60

**CAS NUMBER:** 500579-04-4

**APPEARANCE:** White to off-white solid

**SOLUBILITY:** DMSO (>2 mg/ml)

**PURITY:** ≥98% by HPLC

**STORAGE:** Store at -20 °C

**DESCRIPTION:** Cell-permeable. A Hedgehog (Hh) signaling pathway antagonist. Inhibits Hh signaling downstream of Smo and Sufu at the level of Gli (IC<sub>50</sub> = 5 μM). GANT61 has also been shown to inhibit the in vitro proliferation of PANC1 and 22Rv1 cells which have elevated GLi1 levels and prevent the development of 22Rv1 tumors in mice.

**REFERENCE:** Lauth, M., *et al.* (2007). *Proc. Natl. Acad. Sci. USA* **104**, 8455-8460.

**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**)
- GANT58 (**Cat. No. 1812-5, 25**)
- GDC-0449 (**Cat. No. 1890-5, 25**)
- Hh Signaling Pathway Antagonist (**Cat. No. 1659-1**)
- JK-184 (**Cat. No. 1726-1**)
- Purmorphamine (**Cat. No. 1672-5**)