

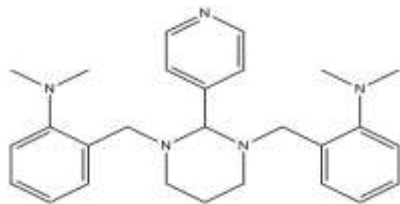
GANT61

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, 100

AMOUNT: 5 mg, 100 mg

STRUCTURE:



MOLECULAR FORMULA: C₂₇H₃₅N₅

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 (IC₅₀ = 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**)