

Cat No. 89-J92

GANT 61

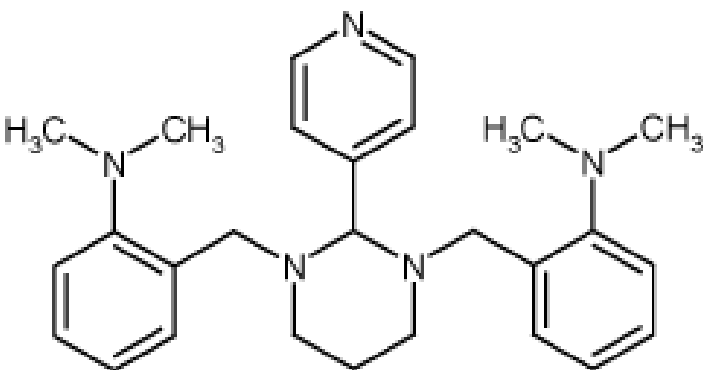
5 mg



For research purposes only

GANT 61 is a GLI antagonist. It inhibits the hedgehog (Hh) signaling pathway downstream of SMO and SUFU causing GL1 nuclear accumulation. GANT 61 has been shown to inhibit proliferation of PANC1 and 22Rv1 cancer cells *in vitro*. *In Vivo*, it has displayed display antiproliferative effects and antitumor activity. GANT 61 has also been shown to block cell growth *in vivo* xenograft models using human prostate cancer cells.

TECHNICAL INFORMATION



Other Names: NSC 136476, 2,2'-[[dihydro-2-(4-pyridinyl)-1,3(2H,4H)-pyrimidinediyl]bis(methylene)]bis(N,N-dimethyl-benzenamine)

Chemical Formula: C₂₇H₃₅N₅

CAS Number: 500579-04-4

Molecular Weight: 429.6

Purity: >98%

Appearance: a crystalline solid

Solubility: DMSO

STORAGE AND HANDLING

Storage: Store at 4°C and protected from light. Following reconstitution, store aliquots at -20°C.

Stability: Stock solutions stable at -20°C for up to 2 years.

Shipping Conditions: Shipped at room temperature.

PRODUCT USE

Soluble in DMSO at 5mg/ml. If precipitate is observed, vortex for 5 minutes. For most cells, the maximum tolerance to DMSO is less than 0.5%.

REFERENCES

1. Hyman et al. (2009) Small molecule inhibitors reveal multiple strategies for Hedgehog pathway blockade. PNAS. 105(33):14132-7.
2. Mazumdar et al. (2011) Blocking Hedgehog survival signaling at the level of the GL1 genes induces DNA damage and extensive cell death in human colon carcinoma cells. Cancer Res. 71(17):5904-14.
3. Desch et al. (2010) Inhibition of GLI, but not Smoothed, induces apoptosis in chronic lymphocytic leukemia cells. Oncogene. 29(35):4885-95.