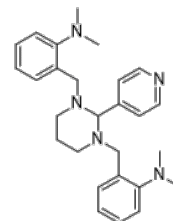


Product Name : GANT61
Cat. No. : PC-27229
CAS No. : 500579-04-4
Molecular Formula : C₂₇H₃₅N₅
Molecular Weight : 429.61
Target : Gli
Solubility : 10 mM in DMSO



Biological Activity

GANT61 (GANT-61) is a specific small molecule inhibitor of GLI1 and GLI2, inhibits Hedgehog (Hh) signaling pathway with IC₅₀ of 5 μM in Gli reporter assays using murine NIH 3T3 cell line.

GANT61 acts in the nucleus to block Gli function, inhibits both Gli1- and Gli2- mediated transcription, and demonstrates a high degree of selectivity for HH/Gli signaling.

GANT61 inhibits Hh signaling downstream of Smo and Sufu.

GANT61 inhibits GLI-dependent human tumor cell growth.

GANT61 (50 mg/kg) blocks GLI function and subsequent cell growth, induces growth regression in human prostate cancer xenograft.

References

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Lauth M, et al. Proc Natl Acad Sci U S A. 2007;104:8455-60.

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

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