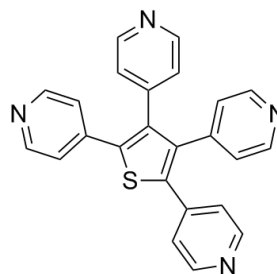


Product Name : GANT 58
Synonyms : NSC 75503; GANT58; GANT-58; NSC-75503
Cat No. : M15435
CAS Number : 64048-12-0
Molecular Formula : C₂₄H₁₆N₄S
Formula Weight : 392.48
Chemical Name : Pyridine, 4,4',4'',4'''-(2,3,4,5-thiophenetetrayl)tetrakis-



Description : GANT 58 (NSC 75503) is a potent Gli antagonist and Hedgehog signaling (Hh) inhibitor that inhibits GLI1-induced transcription with IC₅₀ of 5 μM; efficiently inhibits in vitro tumor cell proliferation in a GLI-dependent manner and successfully blocks cell growth in an in vivo xenograft model of human prostate cancer cells harboring downstream activation of the Hh pathway.

Pathway : Wnt/Notch/Hedgehog

Target : Gli

Receptor : Gli

Solubility : 10 mM in DMSO

SMILES : C1(C2=CC=NC=C2)=C(C3=CC=NC=C3)C(C4=CC=NC=C4)=C(C5=CC=NC=C5)S1

Storage : (-20°C)

Stability : ≥ 2 years

Reference :

1. Lauth M, et al. Proc Natl Acad Sci U S A. 2007 May 15;104(20):8455-60. | 2. Hassounah NB, et al. Clin Cancer Res. 2012 May 1;18(9):2429-35.