



Data Sheet

Research Use Only

Compound Name

GDC-0449

Catalog Number

SM54

Activity

GDC-0449 is a potent and specific hedgehog signaling pathway inhibitor.

Purity

>99%

Formula

$C_{19}H_{14}Cl_2N_2O_3S$

Solubility

DMSO, ethanol

References

1. Firestone, AJ. and Chen, JK. 2010. ACS Chem Biol. 5(1): 15-34. PMID: 20000447
2. An, SM., et al. 2013. Acta Pharmacol Sin. 34(6): 777-783. PMID: 23708555

Alternative Names

Vismodegib, HhAntag691, 2-chloro-N-(4-chloro-3-(pyridin-2-yl)phenyl)-4-(methylsulfonyl)benzamide

Effect

GDC-0449 targets the Hedgehog signaling pathway, blocking the activities of the Hedgehog-ligand cell surface receptors PTCH and/or SMO and suppressing Hedgehog signaling. GDC-0449 prevents multiple ATP-binding cassette (ABC) transporters. GDC-0449 prevents the growth of primary pancreatic xenografts without non-specifically inhibiting pancreatic cell proliferation.

CAS

879085-55-9

Molecular Weight

421.3

Stability

Stable at -20°C. Keep away from direct sunlight.