
Product Data Sheet

Product Name: IHR 1
Cat. No.: GC50201

Chemical Properties

Cas. No. 548779-60-8

SMILES C1C=CC(C(NC2=CC=C(NC(C3=C(Cl)C=CC(Cl)=C3)=O)C=C2)=O)=C(Cl)C=C1

Formula $C_{20}H_{12}Cl_4N_2O_2$ M.Wt 454.13

Solubility DMSO : 20.83 mg/mL (45.87 mM; ultrasonic and warming and heat to 60°C) Storage Store at -20°C

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure

Background

Potent Smo antagonist (IC₅₀ = 7.6 nM). Selectively inhibits Hedgehog signaling over Wnt and Notch signaling pathways. Blocks Smo accumulation in primary cilium in vitro. Fluorescent Analog also available.

Fan et al (2014) The Hedgehog pathway effector smoothed exhibits signaling competency in the absence of ciliary accumulation. Chem.Biol. 21 1680 PMID:25484239

Caution: Product has not been fully validated for medical applications. For research use only.

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