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DATASHEET

IHR-NAc

Product overview

Name	IHR-NAc
Cat No	HB4639
Purity	>98%
Description	Sonic hedgehog (Shh) signaling pathway inhibitor

Biological Data

Biological description	Sonic hedgehog (Shh) signaling pathway inhibitor. Potential anticancer compound. Cell membrane permeable Smoothened (Smo) antagonist. Acts on extra- and intracellular exposed Smo. Binds to the seven-transmembrane (7TM) pocket. Blocks hedgehog-induced movement of Smo into the primary cilium, disengages Smo-dependent abrogation of Gli2 and Gli3 proteolytic processing and inhibits Gli activity induced by loss of PTCH1.
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Solubility & Handling

Storage instructions	+4°C
Important	This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not for human or veterinary use.

Chemical Data

Chemical name	5-Acetamido-2-chloro-N-[4-(2,5-dichlorobenzamido)phenyl]benzamide
Molecular Weight	476.7
Chemical structure	The chemical structure shows a central benzene ring substituted with a 4-acetamido-2-chloro-N-(2,5-dichlorophenyl)benzamido group. The amide group is attached to the benzene ring at the 5-position. The 2-position of the benzene ring has a chlorine atom. The 4-position has an amide group (-CONH-), which is further substituted with a 2,5-dichlorophenyl group. The 2 and 5 positions of this dichlorophenyl group are also substituted with chlorine atoms.
InChiKey	KEKPTYABAFCFOT-UHFFFAOYSA-N
Appearance	White to grey solid