Hello Bio, Inc.
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DATASHEET

SAG

Product overview

Name	SAG
Cat No	HB3107
Biological action	Agonist
Purity	>98%
Description	Cell permeable Sonic hedgehog (Shh) agonist and Smo agonist. Enhances neuronal differentiation of iPSC into dopaminergic neurons.

Biological Data

Biological description	Potent, cell-permeable Smo receptor agonist (K_d = 59 nM) and hedgehog (Hh) signaling activator. Counteracts cyclopamine inhibition of Smo. Acts as an Smo activator at low concentrations and an inhibitor at high concentrations. Also enhances neuronal differentiation of iPSC into dopaminergic neurons.

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	N-Methyl-N'-(3-pyridinylbenzyl)-N'-(3-chlorobenzo[b]thiophene-2-carbonyl)-1,4-diaminocyclohexane
Molecular Weight	490.1
Chemical structure	
Molecular Formula	$C_{28}H_{28}ClN_3OS$
CAS Number	912545-86-9
PubChem identifier	5284330
SMILES	ClC2=C(C(N([C@H]4CC[C@H](NC)CC4)CC3=CC=CC(C5=CC=NC=C5)=C3)=O)SC1=CC=CC=C12
InChiKey	VFSUUTYAEQOIMW-YHBQERECSA-N
Appearance	Off-white to light yellow powder