Hello Bio, Inc. 304 Wall St., Princeton, NJ 08540 USA

T. 609-683-7500 F. 609-228-4994

customercare-usa@hellobio.com



# **DATASHEET**

#### **Product overview**

Name SAG Cat No HB3107 **Biological action** Agonist >98% **Purity** 

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 ( $K_d = 59 \text{ nM}$ ) 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 Storage of solutions +4°C

Prepare and use solutions on the same day if possible. Store solutions at -20°C for up to one month if

storage is required. Equilibrate to RT and ensure the solution is precipitate free before use.

**Shipping Conditions** Stable for ambient temperature shipping. Follow storage instructions on receipt. **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 Molecular Weight **Chemical structure**  N-Methyl-N'-(3-pyridinylbenzyl)-N'-(3-chlorobenzo[b]thiophene-2-carbonyl)-1,4-diaminocyclohexane

490.1

Q-0, G

Molecular Formula **CAS Number PubChem identifier** 

C<sub>28</sub>H<sub>28</sub>CIN<sub>3</sub>OS 912545-86-9 5284330 **SMILES** 

**InChiKev Appearance**  CIC2=C(C(N([C@H]4CC[C@H](NC)CC4)CC3=CC=CC(C5=CC=NC=C5)=C3)=O)SC1=CC=CC=C12

VFSUUTYAEQOIMW-YHBQERECSA-N

Off-white to light yellow powder