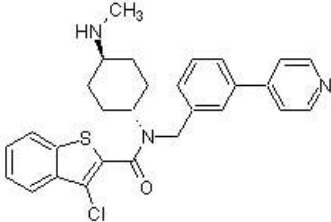


Product datasheet

SAG (Smo agonist), Smoothened agonist ab142160

[9 References](#) [1 Image](#)

Overview

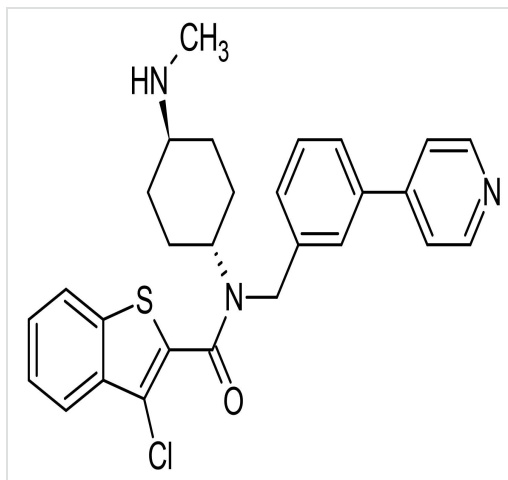
Product name	SAG (Smo agonist), Smoothened agonist
Description	Cell-permeable, selective, potent Smoothened agonist
Biological description	Cell-permeable, selective, potent Smoothened agonist ($EC_{50} = 3 \text{ nM}$). Binds the Smo heptahelical bundle that antagonizes cyclopamine (ab120392) action. Active <i>in vitro</i> and <i>in vivo</i> .
Purity	> 98%
CAS Number	912545-86-9
Chemical structure	

Properties

Chemical name	3-Chloro-N-[trans-4-(methylamino)cyclohexyl]-N-[[3-(4-pyridinyl)phenyl]methyl]benzo[b]thiophene-2-carboxamide
Molecular weight	490.06
Molecular formula	$C_{28}H_{28}ClN_3OS$
PubChem identifier	5284330
Storage instructions	Store at -20°C . Store under desiccating conditions. The product can be stored for up to 12 months.
Solubility overview	Soluble in DMSO to 100 mM
Handling	<p>Wherever possible, you should prepare and use solutions on the same day. However, if you need to make up stock solutions in advance, we recommend that you store the solution as aliquots in tightly sealed vials at -20°C. Generally, these will be useable for up to one month. Before use, and prior to opening the vial we recommend that you allow your product to equilibrate to room temperature for at least 1 hour.</p> <p>Need more advice on solubility, usage and handling? Please visit our frequently asked questions (FAQ) page for more details.</p>

SMILESCN[C@H]1CC[C@@H](CC1)N(Cc2ccc(cc2)c3ccncc3)C(=O)c5sc4ccccc4c5Cl**Source**

Synthetic

Images

2D chemical structure image of ab142160, SAG (Smo agonist),
Smoothened agonist

Chemical Structure - SAG (Smo agonist),
Smoothened agonist (ab142160)

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