

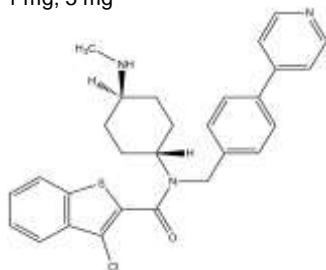
Smo Agonist, SAG

ALTERNATE NAME: N-Methyl-N'-(3-pyridinylbenzyl)-N'-(3-chlorobenzo[b]thiophene-2-carbonyl)-1,4-diaminocyclohexane

CATALOG #: 1939-1, 5

AMOUNT: 1 mg, 5 mg

STRUCTURE:



MOLECULAR FORMULA: C₂₈H₂₈ClN₃OS

MOLECULAR WEIGHT: 490.06

CAS NUMBER: 912545-86-9

APPEARANCE: Off-white solid

SOLUBILITY: DMSO (>40 mg/ml)

PURITY: ≥98% by NMR

STORAGE: Store at -20 °C. Protect from light

DESCRIPTION: Cell-permeable. A Smoothened (Smo) agonist that has shown to induce Hedgehog pathway activation and counteract cyclopamine inhibition of Smo. SAG has been reported to act as an activator at low concentrations, but can inhibit Smo at very high concentrations.

REFERENCE: Chen, J.K., *et al.* (2002). *Proc. Natl. Acad. Sci. USA* **99**, 14071-14076.

HANDLING: Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

RELATED PRODUCTS:

Cyclopamine (**Cat. No. 1578-5**)

Cyclopamine-KAAD (**Cat. No. 1910-50**)

GANT58 (**Cat. No. 1812-5, 25**)

GANT61 (**Cat. No. 1892-5**)

GDC-0449 (**Cat. No. 1890-5, 25**)

Hh Signaling Pathway Antagonist (**Cat. No. 1659-1**)

DiscoveryPak™ hedgehog Signaling Pathway Antagonists Set (**Cat. No. K868-6**)

JK-184 (**Cat. No. 1726-1**)

Purmorphamine (**Cat. No. 1672-5**)

Robotnikinin (**Cat. No. 1923-1**)

Tomatidine hydrochloride (**Cat. No. 1893-25**)

FOR RESEARCH USE ONLY! Not to be used on humans.