

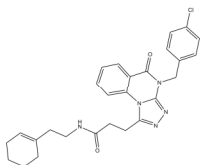
Smo Antagonist, SA9

ALTERNATE NAME: 3-(3-(4-Fluorophenyl)-5-oxo-4,5-dihydro-[1,2,4]triazolo[4,3-a]quinazolin-1-yl-N-(3-methylphenethyl)propanamide

CATALOG #: 2155-2, 5

AMOUNT: 2 mg, 5 mg

STRUCTURE:



MOLECULAR FORMULA: C₂₇H₂₈ClN₅O₂

MOLECULAR WEIGHT: 490.0

CAS NUMBER: N/A

APPEARANCE: Crystalline solid

SOLUBILITY: DMSO

PURITY: ≥95% by NMR

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

DESCRIPTION: SA9 inhibits Hh pathway by interacting directly with Smo. It inhibits SAG (Smoothened agonist) activation of Hh signaling in Shh-LIGHT 2 cells (IC₅₀ = 19 μM). Induces the localization of Smo to cilia in ASZ1 cells, but not in IMCD3 cells. Also treatment of Ptch1^{-/-} MEFs with SA9 suppresses the β-galactosidase activity (IC₅₀ = 1.0 μM) and inhibits the expression of *Gli1* and *Ptch1* in ASZ1 cells.

REFERENCE: Wu, V.M., *et al.* (2012). *Proc. Natl. Acad. Sci. USA* **109**, 13644-13649.

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)

Itraconazole (Cat. No. 1987-50, 100, 500, 1000)

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

Purmorphamine (Cat. No. 1672-5)

Robotnikinin (Cat. No. 1923-1)

SANT-1 (Cat. No. 1978-1,5)

SANT-2 (Cat. No. 1976-1, 5)

Smo Antagonist, SA1 (Cat. No. 2154-2, 5)

Smo Antagonist, SA10 (Cat. No. 2159-2, 5)

Sonic Hedgehog, human recombinant (Cat. No. 4010-25, 100, 1000)

Sonic Hedgehog, murine recombinant (Cat. No. 4020-25, 100, 1000)

Tomatidine hydrochloride (Cat. No. 1893-25)

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