

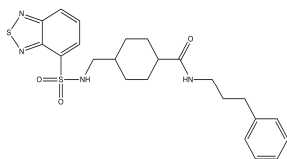
Smo Antagonist, SA10

ALTERNATE NAME: 4-((Benzo[c][1,2,5]thiadiazole-4-sulfonamido)methyl-N-(3-phenylpropyl)cyclohexanecarboxamide

CATALOG #: 2159-2, 5

AMOUNT: 2 mg, 5 mg

STRUCTURE:



MOLECULAR FORMULA: C₂₃H₂₈N₄O₃S₂

MOLECULAR WEIGHT: 472.62

CAS NUMBER: N/A

APPEARANCE: Crystalline solid

SOLUBILITY: DMSO

PURITY: ≥95% by NMR

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

DESCRIPTION: SA10 inhibits SAG (Smoothed agonist) activation of Hh signaling in Shh-LIGHT 2 cells (IC₅₀ = 5 μM). However, unlike SA1 and SA9, SA10 does not directly bind to Smo. Inhibits the localization of Smo to cilia. Also treatment of Ptch1^{-/-} MEFs with SA10 suppresses the β-galactosidase activity (IC₅₀ = 11.0 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, SA9 (Cat. No. 2155-2, 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.