

Catalog Number: CM06477

产品信息

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CM06477

CAS号:
912545-86-9

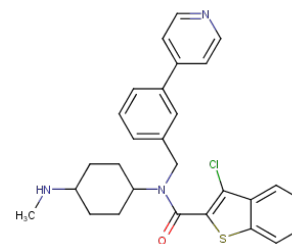
分子式:
C₂₈H₂₈ClN₃OS

主要靶点:
Hedgehog/Smoothened|Smo

主要通路:
干细胞|G蛋白偶联受体

分子量:
490.06

溶解度:
DMSO:71 mg/mL (134.84 mM),warmed,Ethanol:40 mg/mL (75.97 mM),warmed



靶点活性

Smoothened:3 nM(EC50)

体外活性

SAG regulates Smo activity by binding directly to the Smo heptahelical bundle. [1] SAG induces Smo-dependent signaling through Gli in a GRK2-dependent way. [2] SAG also (1 nM) induces proliferation of neuronal and glial precursors without affecting the differentiation pattern of newly produced cells. [3]

体内活性

In the adult rat hippocampus, the intracerebroventricular administration of SAG (2.5 nM) significantly increases the number of newly generated cells and extends survival of hippocampal cells. [3] In mice, SAG (20 µg/g, i.p.) effectively prevents GC-induced neonatal cerebellar developmental abnormalities. [4]

描述

SAG (Smoothed Agonist) is a potent Smo receptor agonist and activates the Hedgehog signaling pathway.

储存

Powder: -20°C for 3 years | In solvent: -80°C for 2 years