

Catalog Number: CM06898

产品信息

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CM06898

CAS号:
1467093-03-3

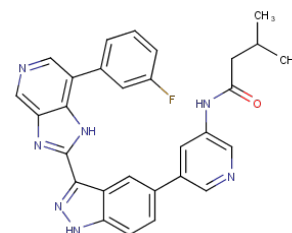
分子式:
C₂₉H₂₄N₇O

主要靶点:
Wnt/beta-catenin

主要通路:
细胞骨架|干细胞

分子量:
505.55

溶解度:
DMSO:Slightly soluble



靶点活性

Wnt, SW480 cell:19.5 nM (EC50)

体内活性

Adavivint (SM04690) is a novel Wnt pathway inhibitor, for the treatment of moderate to severe osteoarthritis of the knee.

动物实验

A high-throughput screen was performed using a cell-based reporter assay for Wnt pathway activity to develop a small molecule designated SM04690. Its properties were evaluated in bone-marrow-derived human mesenchymal stem cells (hMSCs) to assess chondrocyte differentiation and effects on cartilage catabolism by immunocytochemistry and gene expression, and glycosaminoglycan breakdown. In vivo effects of SM04690 on Wnt signaling, cartilage regeneration and protection were measured using biochemical and histopathological techniques in a rodent acute cruciate ligament tear and partial medial meniscectomy (ACLT + pMMx) OA model.

描述

Adavivint (SM04690) is a Wnt pathway inhibitor.

储存

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