

Adavivint

Catalog No: tcsc0031495



Available Sizes

Size: 5mg

Size: 10mg

Size: 25mg

Size: 50mg

Size: 100mg



Specifications

CAS No:

1467093-03-3

Formula:

$C_{29}H_{24}FN_7O$

Pathway:

Stem Cell/Wnt

Target:

Wnt

Purity / Grade:

>98%

Solubility:

DMSO : 25 mg/mL (49.45 mM; Need ultrasonic and warming)

Alternative Names:

SM04690

Observed Molecular Weight:

505.55

Product Description

Adavivint is a potent and selective inhibitor of canonical **Wnt** signaling, with an **EC₅₀** of 19.5 nM via a high-throughput TCF/LEF-reporter assay in SW480 colon cancer cells.

IC50 & Target: EC50: 19.5 nM (Wnt, SW480 cell)^[1]

In Vitro: Adavivint (SM04690) is a potent and selective inhibitor of Wnt signaling, with an EC₅₀ of 19.5 nM via a high-throughput TCF/LEF-reporter assay in SW480 colon cancer cells, and shows no effect on SV40 luciferase reporter. Adavivint enhances aggregation of human mesenchymal stem cells (hMSCs) with an EC₅₀ of 10 nM. Adavivint (30 nM) protects chondrocytes from catabolic breakdown in vitro^[1].

In Vivo: Adavivint (0.3 µg) enhances cartilage repair and protection in the rat acute cruciate ligament tear and partial medial meniscectomy osteoarthritis (ACLT + pMMx OA) model^[1].



All products are for RESEARCH USE ONLY. Not for diagnostic & therapeutic purposes!