
SC-26196

产品编号: D51599

CAS: 218136-59-5

分子式: C₂₇H₂₉N₅

纯度: ≥98%

InChi: InChi=1S/C₂₇H₂₉N₅/c28-23-27(25-10-3-1-4-11-25,26-12-5-2-6-13-26)14-8-16-31-17-19-32(20-18-31)30-22-24-9-7-15-29-21-24/h1-7,9-13,15,21-22H,8,14,16-20H2/b30-22+

InChi Key: QFYKXKMYVYOUNJ-JBASAIQMSA-N

Smiles: N#CC(CCCN1CCN(CC1)/N=C/C1C=NC=CC=1)(C1C=CC=CC=1)C1C=CC=CC=1

外观: 固体粉末

作用通路: Others

溶解性: Soluble in DMSO

保存条件: Store in dry, dark place for one year.

产品介绍: SC-26196 is a D6D inhibitor (IC₅₀ = 0.2 μM in a rat liver microsomal assay) that completely blocks the conversion of linoleic acid to arachidonic acid (AA). SC-26196 inhibited the desaturation of 2 microM [1-14C] 18:2n-6 by 87-95% in cultured human skin fibroblasts, coronary artery smooth muscle cells, and astrocytes. By contrast, SC-26196 did not affect the conversion of [1-14C]20:3n-6 to 20:4 in the fibroblasts, demonstrating that it is selective for delta6-desaturase.

PRODUCT SPECIFIC PUBLICATIONS

[IF=8.5] Zihong Li. et al. Fatty acid desaturase 2 (FADS2) affects the pluripotency of hESCs by regulating energy metabolism. INT J BIOL MACROMOL. 2025 Mar;295:139449 ; . 39756764