

Catalog Number: CM06899

产品信息

Catalog Number:
CM06899

CAS号:
113906-27-7

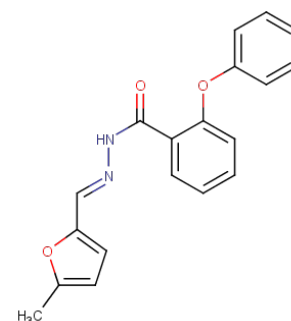
分子式:
C₁₉H₁₆N₂O₃

主要靶点:
Wnt/beta-catenin|Apoptosis

主要通路:
干细胞|细胞骨架|凋亡

分子量:
320.34

溶解度:
DMSO:30 mg/mL (93.65 mM)



靶点活性

Wnt/β-catenin (NCI-H295 cells):129.8 μM

体外活性

在NCI-H295细胞中，PNU 74654在治疗后96小时显著降低了细胞增殖，增加了早期和晚期凋亡，降低了核内beta-catenin积累，损害了CTNNB1/beta-catenin表达，并在治疗后48小时提高了beta-catenin目标基因的表达。HeLa细胞未观察到效应。在NCI-H295细胞中，PNU 74654在治疗后24小时和48小时降低了cortisol、testosterone和androstenedione的分泌。此外，在NCI-H295细胞中，PNU 74654在治疗后48小时降低了SF1和CYP21A2 mRNA的表达，以及STAR和aldosterone synthase的蛋白水平。在Y1细胞中，PNU 74654在治疗后24小时损害了corticosterone分泌，但未减少细胞活力[1]。

细胞实验

Adrenal (NCI-H295 and Y1) and non-adrenal (HeLa) cell lines were treated with PNU 74654 (5-200 μM) for 24-96 h to assess cell viability (MTS-based assay), apoptosis (Annexin V), expression/localization of beta-catenin (qPCR, immunofluorescence, immunocytochemistry and western blot), expression of beta-catenin target genes (qPCR and western blot), and adrenal steroidogenesis (radioimmunoassay, qPCR and western blot)[1].

储存

Powder: -20°C for 3 years | In solvent: -80°C for 1 year | Shipping with blue ice.