

Catalog Number: CM04709

产品信息

Catalog Number:
CM04709

CAS号:
196868-63-0

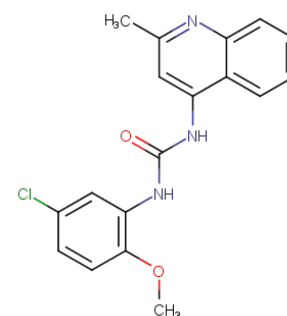
分子式:
 $C_{18}H_{16}ClN_3O_2$

主要靶点:
Apoptosis|IGF-1R

主要通路:
蛋白酪氨酸激酶|凋亡

分子量:
341.79

溶解度:
Ethanol:8.5 mg/mL (25 mM),DMSO:17.1 mg/mL (50 mM)



靶点活性

IGF-1R:<1 μ M

体内活性

Treated mice received 50 or 100 mg/kg PQ401 prepared in 8% polysorbate 80/ethanol/PBS, administered i.p. thrice a week.

细胞实验

The inhibitory effects of diaryl urea on breast cancer cell growth are determined using a CyQuant cell proliferation assay kit. MCF-7 or MCNeuA cells are plated in 96-well plates (5×10^3 per well) in phenol red-free DMEM supplemented with 10% FCS. One plate is prepared for each harvest day. Cells are allowed to adhere overnight and are then treated with various concentrations of diaryl urea or DMSO as a vehicle control. Microplate cultures are harvested on days 0, 1, 2, and 3 by inverting the microplate onto paper towels with gentle blotting to remove growth medium without disrupting adherent cells. Each plate is kept at 37°C until the end of the experiment (day 3) when all of the plates are thawed and assayed together. After thawing, 200 μ L of CyQuant GR solution are added to each well and the plates are incubated in the dark for 2 to 5 minutes. Fluorescence is measured with a SpectraMax Gemini XS fluorescence microplate reader with 480-nm excitation and 520-nm emission. Proliferation index is calculated as the percent of nucleotide content versus control cells at day 0. (Only for Reference)

描述

PQ401 suppresses autophosphorylation of IGF-1R domain (IC₅₀<1 μ M).

储存

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