For Research Use Only

Candesartan

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Catalog Number: CM00672

产品信息

Catalog Number:
CM00672

CAS号:
139481-59-7

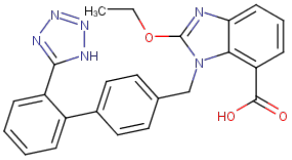
分子式:
$C_{24}H_{20}N_6O_3$

主要靶点:
RAAS

主要通路:
内分泌与激素

分子量:
440.47

溶解度:
DMSO:4.5 mg/mL (10.22 mM);Ethanol:0.4 mg/mL (10 mM))



靶点活性

AT1 receptor:0.26 nM

体外活性

在处理携带KU-19-19移植瘤的小鼠中,Candesartan（10 mg/kg）能够降低微血管密度和VEGF的表达,抑制肿瘤细胞生长.在WKY大鼠中,Candesartan（0.5 mg/kg ）能够降低血压,抑制AT1在穹窿下器,下丘脑室旁核,孤束核,和极后区的结合.在成年自发性高血压大鼠中,Candesartan（0.3 mg/kg）能够减少梗死区域,减少在缺血周边区域和皮层下严重缺血性病变区域,减低脑部血流量的减少.

体内活性

在CHO-AT1细胞中,Candesartan 能够高选择性地与血管紧张素II AT1 受体结合。Candesartan（0.1 nM）能够降低对于血管紧张素II的最大收缩反应。在 KU-19-19细胞中,加入Candesartan,能够上调VEGF和和白细胞介素-8的表达,同时不影响细胞增殖。

细胞实验

KU-19-19 cells are seeded at a cell density of 2 × 104 per well in 96-well plates and allowed to grow overnight. Then the cells are treated with various concentrations of Candesartan for various periods of time. Cell viability is determined by the Alamar Blue assay to examine the cytotoxicity and antiproliferative effect of candesartan. The absorbance value of each well is determined in a microplate reade(Only for Reference)

储存

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