For Research Use Only

BAY 11-7082

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Catalog Number: CM04718

产品信息

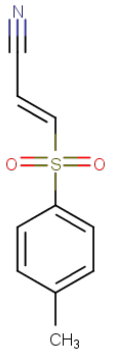
Catalog Number:
CM04718

CAS号:
19542-67-7

分子式:
$C_{10}H_9NO_2S$

分子量:
207.25

溶解度:
Ethanol:5.2 mg/mL (25 mM),DMSO:20.7 mg/mL (100 mM)



主要靶点:
Autophagy|Apoptosis|Others|DUB|I κ B/IKK

主要通路:
DNA损伤和修复|NF- κ B信号通路|细胞周期|凋亡|泛素化|其他|自噬

靶点活性

I κ B α phosphorylation:10 μ M

体外活性

在NCI-H1703细胞中, BAY 11-7082（8 μ M）能够抑制细胞增殖。在HTLV-I感染的T细胞系中,Bay 11-7082（5 μ M）能够抑制NF- κ B的DNA结合,并下调抗凋亡基因Bcl-x（L）的表达。在选择性诱导HTLV-1感染的T细胞系中, Bay11-7082（5 μ M）能够引起细胞凋亡。在小鼠海马切片中,BAY 11-7082（100 μ M）抑制NMDA诱导的NF- κ B结合的增加,同时阻止NMDA引起的p65核转位。在骨骼肌中,BAY 11-7082（50-100 μ M）显着抑制NF- κ Bp65 DNA结合活性。

细胞实验

Cells are transfected with siRNA in 96-well microtiter plates and then cultured for 72 hours in complete NSCLC medium, treated with BAY 11-7082 for 12 hours. Cells are incubated with [3H]thymidine for 3 hours. The cells are collected on filters using an automatic cell harvester and radioactivity on the filters is measured by β -scintillation counting.(Only for Reference)

描述

BAY 11-7082, a NF- κ B inhibitor, inhibits TNF α -induced I κ B α phosphorylation. BAY 11-7082 inhibits ubiquitin-specific protease USP7 and USP21.

储存

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