

Catalog Number: CM00631

产品信息

Catalog Number:
CM00631

CAS号:
90357-06-5

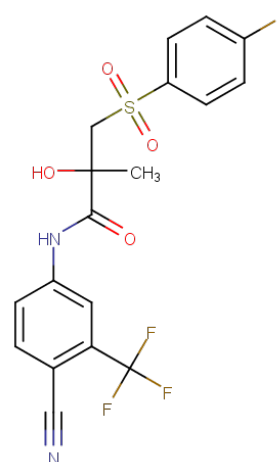
分子式:
C₁₈H₁₄F₄N₂O₄S

主要靶点:
Autophagy|Androgen Receptor

主要通路:
内分泌与激素|自噬

分子量:
430.37

溶解度:
DMSO:43 mg/mL (100 mM),Ethanol:4.3 mg/mL (10 mM)



靶点活性

Androgen Receptor:0.16 μM

体内活性

Single bicalutamide reduces tumor growth by 79%, at defined submaximal doses. The ridaforolimus-bicalutamide combination exhibits improved and potent antitumor activity, almost completely abrogating tumor growth. The combination is also well tolerated, as evidenced by no significant changes in body weight over the course of treatment. Plasma PSA levels are again tightly linked to tumor growth in the combination-treated mice. [3]

细胞实验

Exponentially growing C4-2 cells are plated into two 96-well plates and incubated overnight at 37 °C. Twenty-four hours later one plate is aspirated and stored at -80 °C and the other treated with 10-fold serial concentrations of ridaforolimus (1000 nM to 0.0001 nM) or vehicle (ethanol). Following 72 hours culture at 37 °C, the plates are assessed simultaneously for cell growth using the CyQUANT Cell Proliferation Assay kit. Bicalutamide and Ridaforolimus combination proliferation assays are performed similarly except cell growth is determined as the change in cell number between vehicle control and compound treated cells after 72 hours in culture.(Only for Reference)

描述

Bicalutamide, a synthetic, nonsteroidal antiandrogen, competitively binds to cytosolic androgen receptors in target tissues, thereby inhibiting the receptor binding of androgens.

储存

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