

Catalog Number: CM01087

产品信息

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CM01087

CAS号:
13311-84-7

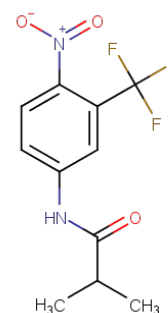
分子式:
C₁₁H₁₁F₃N₂O₃

主要靶点:
Androgen Receptor

主要通路:
内分泌与激素

分子量:
276.21

溶解度:
Ethanol:51 mg/mL (184.64
mM);DMSO:55 mg/mL (199.12
mM)



靶点活性

Androgen receptor:55 nM(Ki)

体外活性

Flutamide使大鼠前列腺重量明显从319 mg降低到245 mg.联合使用Flutamide和黄体生成素释放激素激动剂引发副作用,使前列腺重量降低到101 mg,并且前列腺ODC活性明显下降.

体内活性

Flutamide和亮丙瑞林联合使用可以用于治疗前列腺癌。Flutamide-OH是Flutamide的活性代谢物形式,直接结合大鼠垂体前叶雄性激素受体(Ki=55 nM)。Flutamide不影响小鼠乳腺癌Shionogi SC-l 15细胞在培养基中雄性激素敏感克隆的增殖,仅表现出抗雄激素作用,而没有雄激素作用。

细胞实验

Effect of flutamide on the growth of an androgen-sensitive clone (SEM-l) of mouse mammary carcinoma Shionogi cells in culture. The cells are incubated up to 40 days in medium (MEM + 2% dextran-coated charcoal extracted fetal calf serum) containing the compounds at a concentration of 1 μM. Media are changed every second day.(Only for Reference)

储存

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