

Flutamide

Catalog No: tcsc2359



Available Sizes

Size: 1g

Size: 5g



Specifications

CAS No:

13311-84-7

Formula:

$C_{11}H_{11}F_3N_2O_3$

Pathway:

Others

Target:

Androgen Receptor

Purity / Grade:

>98%

Solubility:

DMSO : ≥ 100 mg/mL (362.04 mM); H₂O :

Alternative Names:

SCH 13521

Observed Molecular Weight:

276.21

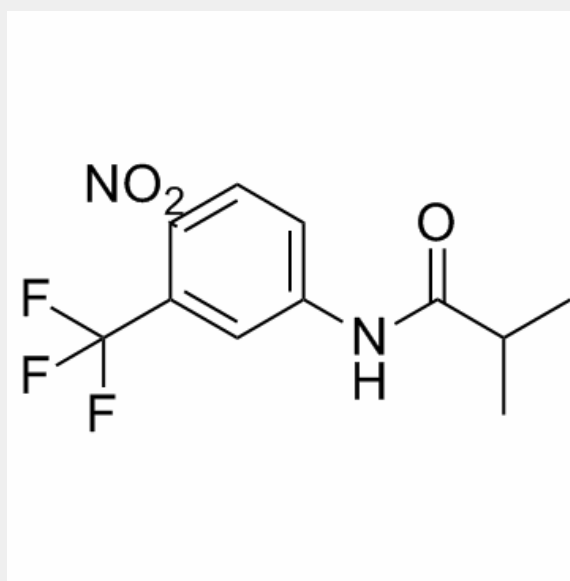
Product Description

Flutamide is an antiandrogen drug, with its active metabolite binding at androgen receptor with K_i values of 55 nM, and primarily used to treat prostate cancer.

Target: androgen receptor

in vitro: Flutamide (Eulexin) is an antiandrogen drug. Flutamide-OH, the active metabolite of flutamide, directly binds at rat anterior pituitary androgen receptor with K_i values of 55 nM [1]. Flutamide does not affect the proliferation of an androgen-sensitive clone of the mouse mammary carcinoma Shionogi SC-I 15 cells in culture, shows only antiandrogenic effect, but not androgenic effect [2]. Flutamide provides treatment for prostate cancer when used along with leuprolide [3].

in vivo: Flutamide causes a markedly reduction in rat ventral prostate weight from 319 mg to 245 mg. A combination of flutamide and LHRH agonist induces an additive effect with a decrease in prostate weight to 101 mg, and an marked drop in prostatic ODC activity [4].



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