
Flutamide

产品编号: D51573

CAS: 13311-84-7

分子式: C₁₁H₁₁F₃N₂O₃

纯度: ≥98%

InChi: InChI=1S/C₁₁H₁₁F₃N₂O₃/c1-6(2)10(17)15-7-3-4-9(16(18)19)8(5-7)11(12,13)14/h3-6H,1-2H3,(H,15,17)

InChi Key: MKXKFYHWDHIYRV-UHFFFAOYSA-N

Smiles: CC(C)C(=O)NC1=CC(=C(C=C1)[N+](=[O-])=O)C(F)(F)F

外观: 固体粉末

作用通路: Androgen Receptor

溶解性: Soluble in DMSO, not in water

保存条件: Store in dry, dark place for one year.

产品介绍: Flutamide, also known as SCH13521, is a toluidine derivative and nonsteroidal antiandrogen that is structurally related to bicalutamide and nilutamide. Flutamide and its more potent active metabolite 2-hydroxyflutamide competitively block dihydrotestosterone binding at androgen receptors, forming inactive complexes which cannot translocate into the cell nucleus. Formation of inactive receptors inhibits androgen-dependent DNA and protein synthesis, resulting in tumor cell growth arrest or transient tumor regression. Check for active clinical trials or closed clinical trials using this agent. (NCI Thesaurus).