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Flutamide

National Cancer Institute

Source

National Cancer Institute. *Flutamide*. NCI Thesaurus. Code C509.

A toluidine derivative and a 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. (NCI04)