

Product Data Sheet

Product Name: Nilutamide

Cat. No.: GC44405

Chemical Properties

Cas. No. 63612-50-0

SMILES O=C1N(C2=CC(C(F)(F)F)=C([N+])([O-])=O)C=C2)C(C(C)(C)N1)=O

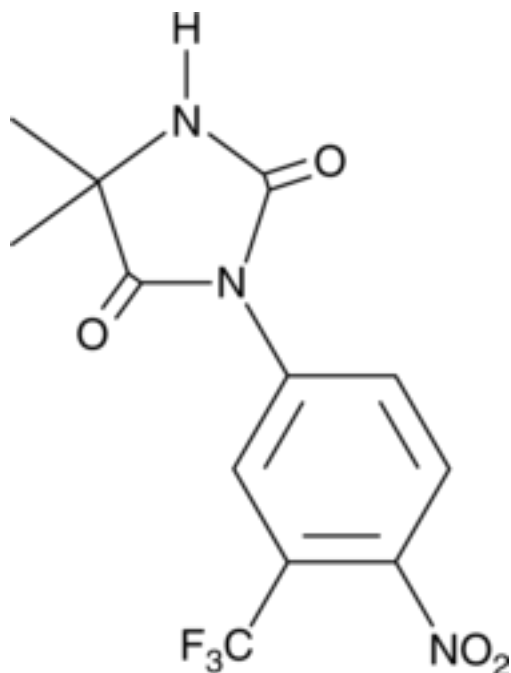
Formula C₁₂H₁₀F₃N₃O₄ M.Wt 317.2

Solubility Chloroform: slightly soluble, DMSO: 25mM, Ethanol: 25mM, Methanol: slightly soluble
Storage Store at -20°C

General tips For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution: ship with blue ice. All other available size: ship with RT, or blue ice upon request.

Structure



Background

Nilutamide is a non-steroidal antiandrogen that is an antagonist of the androgen receptor. It reverses

Caution: Product has not been fully validated for medical applications. For research use only.

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testosterone-induced increases in cell proliferation with an IC₅₀ value of 412 nM in mouse mammary carcinoma cells in vitro. It has antiandrogenic activity in both intact and castrated rats, inhibiting testosterone propionate-induced prostate growth when administered at a dose of 2.5 mg/kg. Formulations containing nilutamide have been used in combination with surgical castration in the treatment of metastatic prostate cancer.

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