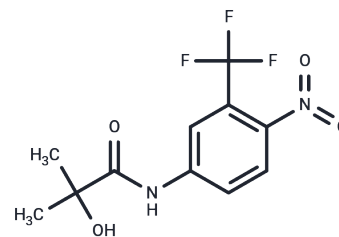


2-hydroxy Flutamide

Chemical Properties

CAS No. :	52806-53-8
Formula:	C ₁₁ H ₁₁ F ₃ N ₂ O ₄
Molecular Weight:	292.21
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	2-hydroxy Flutamide is competitive inhibition of androgen receptor (AR) for the treatment of prostate cancer
Targets(IC50)	Androgen Receptor
In vitro	The pharmacologically active metabolite 2-hydroxy-flutamide, this principle metabolite increased CYP3A metabolism of midazolam in human microsomes (30%) and hepatocytes (110%)[1].

Solubility Information

Solubility	DMSO: 25mg/ml(85.5 mM), (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.4222 mL	17.111 mL	34.222 mL
5 mM	0.6844 mL	3.4222 mL	6.8444 mL
10 mM	0.3422 mL	1.7111 mL	3.4222 mL
50 mM	0.0684 mL	0.3422 mL	0.6844 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Reference

Blobaum A L , Byers F W , Bridges T M , et al. A Screen of Approved Drugs Identifies the Androgen Receptor Antagonist Flutamide and Its Pharmacologically Active Metabolite 2-Hydroxy-Flutamide as Heterotropic Activators

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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Tel:781-999-4286 E_mail:info@targetmol.com Address:36 Washington Street,Wellesley Hills,MA 02481