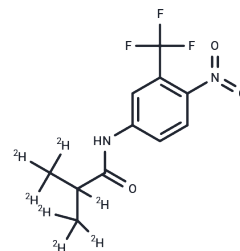


Flutamide-D7

Chemical Properties

CAS No. :	223134-72-3
Formula:	C ₁₁ H ₄ D ₇ F ₃ N ₂ O ₃
Molecular Weight:	283.26
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



Biological Description

Description	Flutamide-D7 is intended for use as an internal standard for the quantification of flutamide by GC- or LC-MS. Flutamide (T0489) is an androgen receptor antagonist and prodrug form of 2-hydroxy flutamide. Flutamide (T0489) is converted to 2-hydroxy flutamide by the cytochrome P450 (CYP) isoform CYP1A2 in human liver microsomes. It is cytotoxic to PC3 and LNCaP prostate cancer cells with IC ₅₀ values of 98.8 and 81.8 μM, respectively. Flutamide (T0489) (50 mg/kg per day) reduces tumor growth in a PC-82 mouse xenograft model. Formulations containing flutamide have been used in the treatment of prostate cancer.
Targets(IC ₅₀)	Androgen Receptor

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.5303 mL	17.6516 mL	35.3033 mL
5 mM	0.7061 mL	3.5303 mL	7.0607 mL
10 mM	0.353 mL	1.7652 mL	3.5303 mL
50 mM	0.0706 mL	0.353 mL	0.7061 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.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel: 781-999-4286 E_mail: info@targetmol.com Address: 34 Washington Street, Wellesley Hills, MA 02481