

Relugolix-D6

Chemical Properties

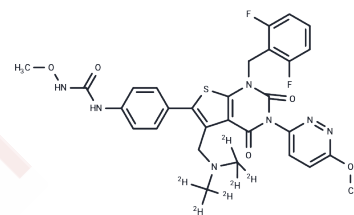
CAS No. :

Formula: C₂₉H₂₁D₆F₂N₇O₅S

Molecular Weight: 629.67

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

Relugolix-D6 is a deuterated compound of Relugolix. Relugolix (T3630) has a CAS number of 737789-87-6. Relugolix (T3630) is an orally available, non-peptide gonadotropin-releasing hormone (GnRH or luteinizing hormone-releasing hormone (LHRH)) antagonist, with potential antineoplastic activity. Relugolix (T3630) competitively binds to and blocks the GnRH receptor in the anterior pituitary gland, which both prevents GnRH binding to the GnRH receptor and inhibits the secretion and release of both luteinizing hormone (LH) and follicle stimulating hormone (FSH). In males, the inhibition of LH secretion prevents the release of testosterone from Leydig cells in the testes. Since testosterone is required to sustain prostate growth, reducing testosterone levels may inhibit hormone-dependent prostate cancer cell proliferation.

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.5881 mL	7.9407 mL	15.8813 mL
5 mM	0.3176 mL	1.5881 mL	3.1763 mL
10 mM	0.1588 mL	0.7941 mL	1.5881 mL
50 mM	0.0318 mL	0.1588 mL	0.3176 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

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Tel:781-999-4286

E_mail:info@targetmol.com

Address:34 Washington Street,Wellesley Hills,MA 02481