

## Fulvestrant-D3

## Chemical Properties

CAS No. :

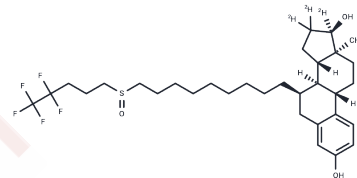
Formula: C32H47F5O3S

Molecular Weight: 609.79

Store at low temperature

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	Fulvestrant-D3 is a isotope labeled compound of Fulvestrant (T2146). Fulvestrant (ZM 182780) is an estrogen receptor (ER) antagonist and GPR30 agonist that inhibits cell proliferation and induces apoptosis and autophagy.
Targets(IC50)	Estrogen/progestogen Receptor, GPCR

## Solubility Information

Solubility	DMSO: 200 mg/mL (327.98 mM), Sonication and heating are recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.6399 mL	8.1995 mL	16.3991 mL
5 mM	0.328 mL	1.6399 mL	3.2798 mL
10 mM	0.164 mL	0.820 mL	1.6399 mL
50 mM	0.0328 mL	0.164 mL	0.328 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.

## Reference

Russak EM, et al. Impact of Deuterium Substitution on the Pharmacokinetics of Pharmaceuticals. Ann Pharmacother. 2019 Feb;53(2):211-216.

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