

Testosterone-D3

Chemical Properties

CAS No. : 77546-39-5

Formula: C₁₉H₂₈O₂

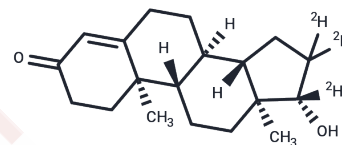
Molecular Weight: 291.44

Keep away from direct sunlight, 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	Testosterone-D3 is a deuterium-labeled compound of Testosterone (T205958) that can be used for isotopic tracing. Testosterone is the primary sex hormone and androgen in males.
Targets(IC50)	Others

Solubility Information

Solubility	Ethanol: 1 mg/mL (3.43 mM) Methanol: 1.33 mg/mL (4.56 mM), Sonication is recommended. Acetonitrile: 1 mg/mL (3.43 mM) (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.4312 mL	17.1562 mL	34.3124 mL
5 mM	0.6862 mL	3.4312 mL	6.8625 mL
10 mM	0.3431 mL	1.7156 mL	3.4312 mL
50 mM	0.0686 mL	0.3431 mL	0.6862 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

Zhang S, Han J, Leng G, Di X, Sha C, Zhang X, Li Y, Liu W. An LC-MS/MS method for the simultaneous determination of goserelin and testosterone in rat plasma for pharmacokinetic and pharmacodynamic studies. J Chromatogr B Analyt Technol Biomed Life Sci. 2014 Aug 15;965:183-9.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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