

Testosterone undecanoate

Chemical Properties

CAS No. : 5949-44-0

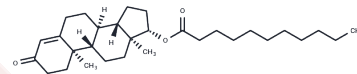
Formula: C30H48O3

Molecular Weight: 456.7

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 undecanoate is a metabolite of Testosterone, which is a promising androgen for male hormonal contraception.
Targets(IC50)	Androgen Receptor

Solubility Information

Solubility	H2O: Insoluble, DMSO: 9.62 mg/mL (21.06 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1896 mL	10.9481 mL	21.8962 mL
5 mM	0.4379 mL	2.1896 mL	4.3792 mL
10 mM	0.219 mL	1.0948 mL	2.1896 mL
50 mM	0.0438 mL	0.219 mL	0.4379 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

Swerdloff R S , Wang C , White W B , et al. A New Oral Testosterone Undecanoate Formulation Restores Testosterone to Normal Concentrations in Hypogonadal Men[J]. The Journal of Clinical Endocrinology & Metabolism, 2020(8):8.

Edelstein D , Basaria S . Testosterone undecanoate in the treatment of male hypogonadism[J]. Expert Opinion on Pharmacotherapy, 2010.

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