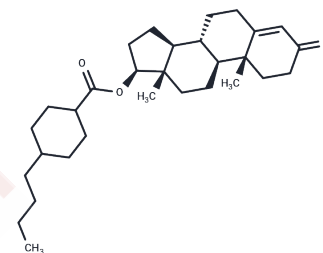


Testosterone buciclate

Chemical Properties

CAS No. :	118931-19-4
Formula:	C ₃₀ H ₄₆ O ₃
Molecular Weight:	454.695
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 buciclate, a long-acting androgen ester, shows promise as a research agent for male hypogonadism.
Targets(IC50)	Others
In vivo	Testosterone buciclate, administered intramuscularly (i.m.) at four different sites with 20 mg per site on the first and ninety-first days of a 360-day study period, demonstrates a decreased testicular volume between days 90 and 270, and significantly reduces sperm motility and gel penetrability, except on day 120, during days 45 to 240. It also leads to a reduction in sperm count from day 75 to 270 and increases the percentage of spermatozoa exhibiting cytoplasmic droplet retention and coiled tails, with the exception of day 120, throughout days 45 to 240[1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1993 mL	10.9963 mL	21.9925 mL
5 mM	0.4399 mL	2.1993 mL	4.3985 mL
10 mM	0.2199 mL	1.0996 mL	2.1993 mL
50 mM	0.044 mL	0.2199 mL	0.4399 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

Tschöp M, et al. A time-resolved fluorescence immunoassay for the measurement of testosterone in saliva: monitoring of testosterone replacement therapy with testosterone buciclate. Clin Chem Lab Med. 1998;36(4):223-230.

Kinger S, et al. Effects of testosterone buciclate on testicular and epididymal sperm functions in bonnet monkeys (*Macaca radiata*) [published correction appears in Contraception 1995 Nov;52(5):323]. Contraception. 1995;52(2):121-127.

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