

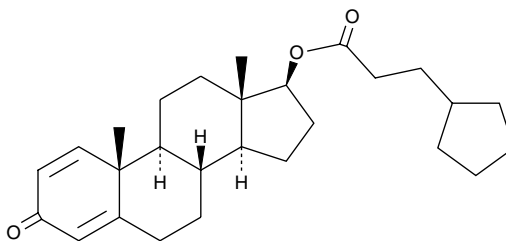
# Product Information



## Boldenone Cypionate

Item No. 15158

**CAS Registry No.:** 106505-90-2  
**Formal Name:** 17 $\beta$ -hydroxy-androsta-1,4-dien-3-one  
cyclopentanepropionate  
**MF:** C<sub>27</sub>H<sub>38</sub>O<sub>3</sub>  
**FW:** 410.6  
**Purity:**  $\geq 95\%$   
**Stability:**  $\geq 2$  years at  $-20^{\circ}\text{C}$   
**Supplied as:** A crystalline solid  
**UV/Vis.:**  $\lambda_{\text{max}}$ : 244 nm



### Laboratory Procedures

For long term storage, we suggest that boldenone cypionate be stored as supplied at  $-20^{\circ}\text{C}$ . It should be stable for at least two years.

Boldenone cypionate is supplied as a crystalline solid. A stock solution may be made by dissolving the boldenone cypionate in the solvent of choice. Boldenone cypionate is soluble in organic solvents such as ethanol, DMSO, and dimethyl formamide, which should be purged with an inert gas. The solubility of boldenone cypionate in these solvents is approximately 15, 5, and 25 mg/ml, respectively.

Boldenone cypionate is sparingly soluble in aqueous buffers. For maximum solubility in aqueous buffers, boldenone cypionate should first be dissolved in ethanol and then diluted with the aqueous buffer of choice. Boldenone cypionate has a solubility of approximately 0.3 mg/ml in a 1:2 solution of ethanol:PBS (pH 7.2) using this method. We do not recommend storing the aqueous solution for more than one day.

Boldenone is an anabolic androgenic steroid and synthetic derivative of testosterone that was originally developed for veterinary use.<sup>1</sup> It can increase nitrogen retention, protein synthesis, and appetite, and also stimulates the release of erythropoietin in the kidneys.<sup>1</sup> Boldenone cypionate was synthesized as an ester of boldenone in an attempt to alter boldenone's very long half-life.<sup>2</sup> Anabolic androgenic steroid compounds such as boldenone cypionate have been used illicitly by bodybuilders and other athletes.<sup>3</sup> This compound is intended for forensic and research purposes only.

### References

1. O'Connor, J.J., Stillions, M.S., Reynolds, W.A., *et al.* Evaluation of boldenone undecylenate as an anabolic agent in horses. *Can. Vet. J.* **14**(7), 154-158 (1973).
2. 1-Dehydrotestosterone derivatives. BE 623277 19630405 (1963), 1-13.
3. Socas, L., Zumbado, M., Pérez-Luzardo, O., *et al.* Hepatocellular adenomas associated with anabolic androgenic steroid abuse in bodybuilders: A report of two cases and a review of the literature. *Br. J. Sports Med.* **39**(5), e27 (2005).

### Related Products

For a list of related products please visit: [www.caymanchem.com/catalog/15158](http://www.caymanchem.com/catalog/15158)

### Cayman Chemical

**Mailing address**  
1180 E. Ellsworth Road  
Ann Arbor, MI  
48108 USA

**Phone**  
(800) 364-9897  
(734) 971-3335

**Fax**  
(734) 971-3640

**E-Mail**  
[custserv@caymanchem.com](mailto:custserv@caymanchem.com)

**Web**  
[www.caymanchem.com](http://www.caymanchem.com)

**WARNING: THIS PRODUCT IS FOR LABORATORY RESEARCH ONLY: NOT FOR ADMINISTRATION TO HUMANS. NOT FOR HUMAN OR VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.**

#### SAFETY DATA

This material should be considered hazardous until information to the contrary becomes available. Do not ingest, swallow, or inhale. Do not get in eyes, on skin, or on clothing. Wash thoroughly after handling. This information contains some, but not all, of the information required for the safe and proper use of this material. Before use, the user must review the complete Safety Data Sheet, which has been sent via email to your institution.

#### WARRANTY AND LIMITATION OF REMEDY

Cayman Chemical Company makes **no warranty or guarantee** of any kind, whether written or oral, expressed or implied, including without limitation, any warranty of fitness for a particular purpose, suitability and merchantability, which extends beyond the description of the chemicals hereof. Cayman warrants only to the original customer that the material will meet our specifications at the time of delivery.

Cayman will carry out its delivery obligations with due care and skill. Thus, in no event will Cayman have any obligation or liability, whether in tort (including negligence) or in contract, for any direct, indirect, incidental or consequential damages, even if Cayman is informed about their possible existence.

This limitation of liability does not apply in the case of intentional acts or negligence of Cayman, its directors or its employees.

Buyer's exclusive remedy and Cayman's sole liability hereunder shall be limited to a refund of the purchase price, or at Cayman's option, the replacement, at no cost to Buyer, of all material that does not meet our specifications.

Said refund or replacement is conditioned on Buyer giving written notice to Cayman within thirty (30) days after arrival of the material at its destination. Failure of Buyer to give said notice within thirty (30) days shall constitute a waiver by Buyer of all claims hereunder with respect to said material.

For further details, please refer to our Warranty and Limitation of Remedy located on our website and in our catalog.

Copyright Cayman Chemical Company, 01/16/2014