

# **ProductInformation**

#### Cat. No. T-162

## TESTOSTERONE, $17\beta$ -DECANOATE

#### TESTOSTERONE CAPRINATE; 17 $\beta$ -HYDROXYANDROST-4-EN-3-ONE DECANOATE

Androgen.

Mol. Formula:	$C_{29}H_{46}O_3$ $H_3C$ $O$ $(CH_2)_8CH_3$
Mol. Wt.:	442.68 (anhyd.) $H_3C$ $H$
<b>m.p.</b> :	47-48°C
CAS Registry No.:	5721-91-5 0
Chemical Name:	$(17\beta)-17-[(1-Oxodexyl)oxy]-androst-4-en-3-one$
Physical Properties:	White photosensitive solid. $[\alpha]_{D}^{22} = +74.34^{\circ}$ (c = 0.49, dioxane).
Caution:	The pharmacology of this compound is incompletely characterized and due care should be exercised in its use. Avoid skin contact, ingestion or inhalation.
Storage:	Store tightly sealed at 4°C, protected from exposure to light.
Solubility:	Soluble in ethanol (32 mg/ml) or water (< 0.5 mg/ml). Solubility in 45% aqueous (w/v) 2-hydroxypropyl- $\beta$ -cyclodextrin (Cat. No. H-107): 1.53 mg/ml.
Disposal:	Dissolve or mix the compound with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber. This product is controlled by the Drug Enforcement Administration. Appropriate security must be maintained until the substance is destroyed. Records must be kept which detail the ultimate disposition of the material.

#### **References**:

- 1. Ahima, R.S., Harlan, R.E. "Regulation of glucocorticoid receptor immunoreactivity in the rat hippocampus by androgenic-anabolic steroids." *Brain Res.* **585(1-2)**, 311 (1992).
- 2. Rivas-Arancibia, S., Vazquez-Pereyra, F. "Hormonal modulation of extinction responses induced by sexual steroid hormones in rats." *Life Sci.* **54(21)**, PL363 (1994).

### CONTROLLED SUBSTANCE - DEA LICENSE REQUIRED (III)

11/94

Sigma-Aldrich, Inc. warrants that its products conform to the information contained in this and other Sigma-Aldrich publications. Purchaser must determine the suitability of the product(s) for their particular use. Additional terms and conditions may apply. Please see reverse side of the invoice or packing slip.

Sigma-RBI brand products are sold through Sigma-Aldrich, Inc.