

Product Information

Cat. No. O-114

OXANDROLONE

Androgen.

Mol. Formula: C₁₉H₃₀O₃

Mol. Wt.: 306.45 (anhyd.)

m.p.: 229-232°C

CAS Registry No.: 53-39-4

Chemical Name: 5 α -Androstan-2-oxa-17 α -methyl-17 β -ol-3-one

Physical Properties: White photosensitive solid. [α]²²_D = -24.05° (c = 0.15, EtOH).

Caution: Due care should be exercised to prevent skin contact, ingestion or inhalation of this compound.

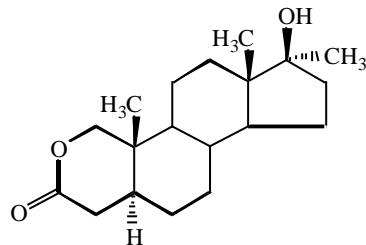
Storage: Store tightly sealed at room temperature, protected from exposure to light.

Solubility: Soluble in ethanol (4.8 mg/ml) or water (< 0.5 mg/ml). Solubility in 45% aqueous (w/v) 2-hydroxypropyl- β -cyclodextrin (Cat. No. H-107): 1.6 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. *Merck Index 11th Ed.*, No. 6875.
2. Grokett, B.H., Ahmad, N., Warren, D.W. "The effects of an anabolic steroid (oxandrolone) on reproductive development in the male rat." *Acta Endocrinol (Copenh)* **126**(2), 173 (1992).



CONTROLLED SUBSTANCE - DEA LICENSE REQUIRED (III)

Rev. 11/94

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

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.