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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
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- Expressversand

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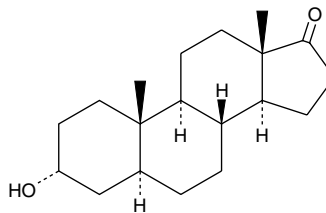
Product Information



Androsterone

Item No. 15872

CAS Registry No.: 53-41-8
Formal Name: (5 α)-3 α -hydroxy-androstan-17-one
Synonyms: Androkinin, NSC 9898
MF: C₁₉H₃₀O₂
FW: 290.4
Purity: \geq 98%
Stability: \geq 2 years at -20°C
Supplied as: A crystalline solid
UV/Vis.: λ_{\max} : 295 nm



Laboratory Procedures

For long term storage, we suggest that androsterone be stored as supplied at -20°C. It should be stable for at least two years.

Androsterone is supplied as a crystalline solid. A stock solution may be made by dissolving the androsterone in the solvent of choice. Androsterone is soluble in organic solvents such as acetonitrile, ethanol, and methanol, which should be purged with an inert gas. The solubility of androsterone in these solvents is approximately 1 mg/ml.

Androsterone is sparingly soluble in aqueous solutions. To enhance aqueous solubility, dilute the organic solvent solution into aqueous buffers or isotonic saline. If performing biological experiments, ensure the residual amount of organic solvent is insignificant, since organic solvents may have physiological effects at low concentrations. We do not recommend storing the aqueous solution for more than one day.

Androsterone is a steroid hormone produced in the body from 5 α -reduced metabolites of dehydroepiandrosterone and possesses 7-fold weaker androgen potency compared to that of testosterone (Item No. 15645).¹ It is the major androgen excreted in urine as a metabolite of testosterone and is used as the international reference standard for androgenic activity.¹

Reference

1. de Gruyter, W. Androsterone, in *Concise Encyclopedia Biology*. Scott, T., editor, 49 (1996).

Related Products

For a list of related products please visit: www.caymanchem.com/catalog/15872

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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.

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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.

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