

Testosterone Propionate (CAS number- 57-85-2)

TAJMTF-KOLASY7412

Taj Active Pharmaceutical Ingredients

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Active Pharmaceutical Ingredients
TAJ PHARMACEUTICALS LIMITED INDIA

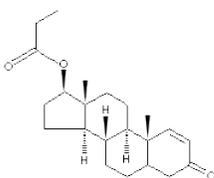


Raw Material / Chemicals Index

Taj Pharmaceuticals Ltd.

TESTOSTERONE PROPIONATE

CAS Number. 57-85-2



PRODUCT IDENTIFICATION

Product	TESTOSTERONE PROPIONATE
CAS NO.	57-85-2
EINECS NO.	200-351-1 FORMULA C ₂₂ H ₃₂ O ₃
MOL WT.	344.49
Specification	USP28/BP2003

Synonyms Testosteroni propionas;

17-(1-oxopropoxy)-(17beta)-androst-4-en-3-one; 3-Oxo-4-androsten-17beta-yl propionate; delta4-androstene-17b-propionate-3-one; testosterone-17beta-propionate; 17beta-Propionyloxy-4-androsten-3-one; 17beta-Hydroxy-4-androsten-3-one 17-propionate; 4-Androsten-17beta-ol-3-one 17-propionate;
DERIVATION

CLASSIFICATION

PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE	white to off-white crystalline powder
MELTING POINT	118 - 121 C
NFPA RATINGS	Health: 2 Flammability: 0 Reactivity: 0
STABILITY	Stable under ordinary conditions

APPLICATIONS

Testosterone is the major androgenic hormone that is responsible for the growth and development of masculine characteristics. It is produced in the Leydig cells (interstitial cells) of the testes. It regulates gonadotropic secretion and Wolffian duct differentiation (formation of the epididymis, vas deferens, and seminal vesicle), and stimulates skeletal muscle. It is also responsible for other male characteristics and spermatogenesis after its conversion to dihydrotestosterone by 5alpha-reductase in peripheral tissue. Testosterone is converted to dihydrotestosterone in the target tissues where it appears to mediate many of the biological actions of testosterone.

SALES SPECIFICATION

APPEARANCE	White to off-white crystalline powder
ASSAY	97.0 - 103.0%
MELTING POINT	118 - 121 C
WATER SOLUBILITY	Insoluble
OPTICAL ROTATION	+83° ~ +90°
LOSS ON DRYING	0.5% max

TRANSPORTATION PACKING

PACKING	5kgs in can
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OTHER INFORMATION

Hazard Symbols: T, Risk Phrases: 45-22-63, Safety Phrases: 53-36/37-45

UNUSUAL FIRE AND EXPLOSION HAZARDS

This material is assumed to be combustible. When heated to decomposition (as under fire conditions) it may emit toxic fumes.

REACTIVITY HAZARD DATA

STABILITY: Stable (X) Unstable ()

INCOMPATIBILITY (MATERIALS TO AVOID): Oxidizing agents.

HAZARDOUS DECOMPOSITION PRODUCTS: When heated to decomposition it may emit toxic fumes.

HAZARDOUS POLYMERIZATION: May Occur () Will Not Occur (X)

TOXICOLOGICAL INFORMATION

Target organs: Reproductive system

ORL-RAT LD50: 1000 mg/kg

IHL-RAT LC50: N.A.

SKN-RBT LD50: N.A.

HANDLING AND STORAGE PRECAUTIONS

HANDLING PRECAUTIONS: Avoid contact with eyes, skin or clothing. Avoid breathing dust. Wash thoroughly after handling. Wash contaminated clothing before reuse. Do not eat, drink or smoke near this material.

STORAGE PRECAUTIONS: Store in tight container and avoid exposure to excessive heat or humidity.

SPILL AND DISPOSAL PROCEDURES

STEPS TO BE TAKEN IN CASE OF SPILL OR DISCHARGE: Wear protective equipment (approved respirator, gloves, goggles) and protect exposed skin. Vacuum or sweep up spillage and place in a tight container for disposal. Ventilate spill area and wash down with soap and water. Wash thoroughly and wash contaminated clothing before reuse.

WASTE DISPOSAL METHOD: Incinerate or landfill according to all local, state, federal, and environmental regulations.

DISPOSAL CONSIDERATIONS

Please consult with state and local regulations. Flinn Suggested Disposal Method #26a is one option.

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