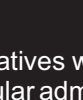


DROSTANOLONE ENANTHATE

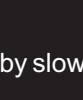
PRODUCT OVERVIEW

Specification	Details
Generic Name	Drostanolone Enanthate
Drug Class	Anabolic Androgenic Steroid (AAS)
Active Ingredient	Drostanolone Enanthate
Chemical Formula	C ₂₇ H ₄₂ O ₃
Molecular Weight	414.62 g/mol
Administration Route	Intramuscular Injection
Ester Type	Long-Acting Drostanolone Ester
Approximate Half-Life	Approximately 7–10 Days (Estimated Based on Ester Characteristics)
Release Profile	Slow and Sustained Release
Bioavailability	High After Intramuscular Administration
Primary Medical Use	Investigational long-acting drostanolone ester; no approved routine human therapeutic indication



INTRODUCTION

Drostanolone Enanthate is a long-acting esterified form of drostanolone developed to provide sustained hormone availability following intramuscular administration. Drostanolone is a synthetic anabolic androgenic steroid structurally derived from dihydrotestosterone (DHT). Unlike testosterone, drostanolone cannot undergo aromatization to estrogen and exhibits pharmacological characteristics associated with DHT-derived compounds. The enanthate ester slows absorption from the intramuscular depot, allowing gradual release of active drostanolone into systemic circulation over an extended period. Compared with Drostanolone Propionate, Drostanolone Enanthate provides a longer pharmacokinetic profile with sustained hormone exposure and reduced injection frequency. Although less extensively studied than Drostanolone Propionate, its expected pharmacological behavior is consistent with other long-acting enanthate ester formulations.



HISTORY

Drostanolone was developed during pharmaceutical research investigating dihydrotestosterone derivatives with improved anabolic properties and reduced estrogenic activity.

To modify its pharmacokinetic profile, longer ester derivatives were developed, including the enanthate ester, designed to provide prolonged hormone release following intramuscular administration.

Compared with Drostanolone Propionate, published scientific information regarding Drostanolone Enanthate remains relatively limited, with much of its expected pharmacological behavior derived from established steroid ester pharmacology.

Scientific investigation of drostanolone has contributed significantly to advances in:

- * Dihydrotestosterone pharmacology
- * Anabolic steroid chemistry
- * Hormone-dependent cancer research
- * Endocrine physiology



CHEMICAL STRUCTURE

Drostanolone Enanthate consists of the drostanolone molecule esterified with enanthic acid at the 17-beta hydroxyl position.

The enanthate ester modifies pharmacokinetic behavior by slowing hormone release while preserving the biological activity of drostanolone following enzymatic hydrolysis.

The enanthate ester primarily influences:

- * Absorption rate
- * Release duration
- * Plasma availability
- * Pharmacokinetic characteristics

Following enzymatic cleavage of the ester bond, biologically active drostanolone becomes available to interact with androgen receptors throughout the body.



CHEMICAL PROFILE

Parameter	Information
Chemical Name	Drostanolone Enanthate
Molecular Formula	C ₂₇ H ₄₂ O ₃
Molecular Weight	414.62 g/mol
Hormone Classification	Anabolic Androgenic Steroid
Ester Group	Enanthate
Active Hormone	Drostanolone



PHARMACOLOGY

Following intramuscular administration, Drostanolone Enanthate forms a long-lasting depot within muscle tissue.

The enanthate ester undergoes gradual enzymatic hydrolysis, releasing free drostanolone into systemic circulation over an extended period.

Once released, drostanolone binds to androgen receptors located throughout multiple tissues including:

- * Skeletal muscle
- * Bone
- * Bone marrow
- * Connective tissue
- * Skin
- * Liver
- * Reproductive tissues

Unlike testosterone and boldenone, drostanolone is a dihydrotestosterone derivative and is not aromatized into estradiol.

Conversion Pathway	Enzyme	Product
Drostanolone → Hepatic Metabolites	Hepatic Enzymes	Inactive Metabolites
Aromatization	Aromatase	No Significant Conversion



MECHANISM OF ACTION

Drostanolone produces its biological effects primarily through activation of intracellular androgen receptors.

The biological process includes:

- * Drostanolone enters target cells.
- * Drostanolone binds to androgen receptors.
- * The receptor-hormone complex becomes activated.
- * The activated complex translocates into the cell nucleus.
- * Interaction with androgen response elements occurs on DNA.
- * Gene transcription is regulated.
- * Cellular protein synthesis and tissue-specific physiological responses are influenced.

Activation of androgen receptors contributes to:

- * Protein synthesis
- * Nitrogen retention
- * Muscle tissue maintenance
- * Bone remodeling
- * Red blood cell production
- * Connective tissue physiology
- * Endocrine regulation



PHARMACODYNAMICS

Drostanolone Enanthate affects multiple physiological systems through androgen receptor signaling.

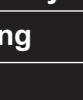


SKELETAL MUSCLE SYSTEM

Drostanolone contributes to normal muscle physiology through:

- * Regulation of protein metabolism
- * Support of muscle tissue maintenance
- * Influence on nitrogen balance
- * Regulation of muscle cell function

Drostanolone interacts with androgen receptors, contributing to anabolic activity in androgen-responsive tissues.



SKELETAL SYSTEM

Drostanolone contributes to skeletal physiology by influencing:

- * Bone remodeling
- * Osteoblast activity
- * Skeletal maintenance
- * Bone mineral metabolism



CONNECTIVE TISSUE

Drostanolone contributes to connective tissue physiology by influencing:

- * Structural protein metabolism
- * Connective tissue maintenance
- * Tissue remodeling
- * Collagen metabolism



REPRODUCTIVE SYSTEM

Drostanolone interacts with androgen-sensitive tissues and contributes to:

- * Hormonal regulation
- * Maintenance of androgen-responsive tissues
- * Endocrine signaling
- * Reproductive physiology



PHARMACOKINETICS

Following intramuscular administration, Drostanolone Enanthate forms a long-lasting depot within muscle tissue.

The enanthate ester undergoes gradual enzymatic hydrolysis, releasing active drostanolone into systemic circulation.

Published pharmacokinetic data for Drostanolone Enanthate remain limited. The expected release profile is based on established steroid ester pharmacology and the known characteristics of enanthate esters.



PHARMACOKINETIC PROFILE

Parameter	Description
Ester Type	Long-Acting Drostanolone Ester
Absorption	Slow release from intramuscular depot
Release Pattern	Sustained and prolonged release
Half-Life	Approximately 7–10 Days (Estimated)
Duration of Activity	Long-Acting
Plasma Stability	High
Protein Binding	High
Metabolism	Primarily hepatic
Active Hormone	Drostanolone
Elimination	Urinary excretion of metabolites



PHYSIOLOGICAL EFFECTS

Normal Drostanolone activity contributes to:

- Muscle Function
 - * Protein synthesis
 - * Nitrogen retention
 - * Maintenance of lean body tissue
 - * Muscle physiology

- Bone Health
 - * Bone remodeling
 - * Skeletal maintenance
 - * Bone metabolism

- Connective Tissue
 - * Structural protein metabolism
 - * Connective tissue maintenance
 - * Tissue remodeling

- General Physiology
 - * Protein metabolism
 - * Hormonal regulation
 - * Endocrine function



CLINICAL APPLICATIONS

Drostanolone Enanthate has primarily been investigated as a long-acting drostanolone ester intended to provide sustained hormone availability.

Clinical evaluation may include:

- * Medical history
- * Physical examination
- * Laboratory assessment
- * Individual pharmacological evaluation

Historical and investigational applications include:

- * Hormone-responsive breast cancer
- * Endocrine pharmacology
- * Protein metabolism research
- * Androgen receptor research



SAFETY CONSIDERATIONS

Drostanolone therapy requires individualized medical evaluation and regular monitoring.

Important considerations include:

- * Cardiovascular health
- * Blood parameters
- * Endocrine function
- * Liver and kidney function
- * Lipid profile
- * Individual physiological response



POTENTIAL ADVERSE EFFECTS

Possible adverse effects may include:

- Endocrine Effects
 - * Suppression of endogenous testosterone production
 - * Hormonal imbalance
 - * Alterations in endocrine function

- Dermatological Effects
 - * Acne
 - * Increased skin oil production
 - * Hair loss in genetically predisposed individuals

- Cardiovascular Effects
 - * Changes in lipid profile
 - * Increased hematocrit
 - * Blood pressure alterations

- Reproductive Effects
 - * Reduced fertility
 - * Suppression of spermatogenesis
 - * Hormonal suppression



CONTRAINDICATIONS

Condition	Reason
Prostate Cancer	Potential androgen sensitivity
Male Breast Cancer	Hormone-sensitive condition
Pregnancy	Risk of fetal virilization
Severe Cardiac, Hepatic or Renal Disease	Requires specialist evaluation
Known Hypersensitivity	Risk of allergic reaction



DRUG INTERACTIONS

Potential interactions may occur with:

Anticoagulants
Drostanolone may influence anticoagulant response and require monitoring.

Antidiabetic Medications
Changes in glucose metabolism may alter therapeutic requirements.

Corticosteroids
Combined administration may influence fluid balance and metabolic parameters.

Other Hormonal Therapies
Combined hormonal therapy requires professional medical supervision.



LABORATORY MONITORING

Laboratory Test	Purpose
CBC	Assess blood parameters
Hematocrit	Monitor red blood cell concentration
Hemoglobin	Evaluate erythropoiesis
Liver Function Tests	Assess hepatic health
Kidney Function Tests	Evaluate renal function
Lipid Profile	Monitor cardiovascular risk markers
Total Testosterone	Evaluate endocrine status
Estradiol (E2)	Assess hormonal balance
PSA (When Appropriate)	Monitor prostate health

STORAGE & STABILITY

- * Store according to official product labeling.
- * Protect from excessive heat and direct sunlight.
- * Do not freeze.
- * Maintain original packaging integrity.
- * Keep away from children.
- * Inspect packaging before use.



PRODUCT AUTHENTICITY

Every genuine NEXON product should include appropriate quality verification features.

Authentication may include:

- * Batch number tracking
- * Manufacturing information
- * Expiration date verification
- * QR authentication system
- * Authorized distribution verification

NEXON emphasizes transparency, traceability, and product quality control.



FREQUENTLY ASKED QUESTIONS

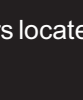
What is Drostanolone Enanthate?
Drostanolone Enanthate is a long-acting esterified form of drostanolone designed to provide sustained hormone availability following intramuscular administration.

How is Drostanolone Enanthate different from Drostanolone Propionate?
Drostanolone Enanthate provides slower absorption and a longer duration of activity, whereas Drostanolone Propionate provides faster hormone availability and a shorter pharmacokinetic profile.

Does Drostanolone Enanthate convert to estrogen?
No. Drostanolone is a dihydrotestosterone (DHT) derivative and is not considered a substrate for aromatase. Therefore, it does not undergo meaningful conversion to estradiol.

Why are drostanolone esters used?
Esterification modifies the pharmacokinetic profile of drostanolone by controlling hormone release and influencing the duration of biological activity.

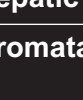
Is Drostanolone Enanthate approved for human medical use?
Published scientific information regarding Drostanolone Enanthate remains limited, and it has no widely approved routine human therapeutic indication.



NEXON QUALITY COMMITMENT

NEXON is committed to maintaining high standards of manufacturing quality, product consistency, traceability, and scientific transparency.

Through quality control systems, authentication procedures, and responsible information sharing, NEXON aims to provide reliable pharmaceutical products and educational resources for healthcare professionals and informed users.



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