NEXON

NANDROLONE BLEND

TRIPLE ESTER NANDROLONE FORMULATION

400 mg mL

INTRAMUSCULAR INJECTION

PRODUCT OVERVIEW

Specification	Details
Generic Name	Nandrolone Blend
Drug Class	Anabolic-Androgenic Steroid / Multi-Ester Blend
Active Ingredients	Nandrolone Phenylpropionate, Cypionate, Decanoate
Administration Route	Intramuscular Injection
Dosage Form	Oil-Based Injectable Solution
Chemical Class	19-Norandrostane Ester Blend
Primary Target	Androgen Receptor
Clinical Status	Fictional Non-Standardized Formulation

INTRODUCTION

Nandrolone Blend is a concentrated injectable formulation containing nandrolone phenylpropionate, nandrolone cypionate, and nandrolone decanoate. The three esters are selected to create different depot-release phases within one oil-based preparation.

After intramuscular administration, each ester is hydrolyzed to the same active parent hormone, nandrolone. The esters influence absorption and duration, while nandrolone produces the principal androgen-receptor-mediated effects.

HISTORY

Nandrolone was developed during twentieth-century research into synthetic anabolic-androgenic steroids. Esterification at the 17β-hydroxyl group produced injectable preparations with different lipid solubility and release characteristics.

Phenylpropionate became associated with a comparatively shorter depot profile, while cypionate and decanoate were developed for more prolonged release. Combining esters is a formulation strategy intended to create overlapping exposure phases.

This specific three-ester 400 mg/mL combination is a fictional NEXON catalog formulation and does not represent an independently standardized or universally approved fixed-dose medicine.

CHEMICAL STRUCTURE

The blend contains three 17β esters of nandrolone: phenylpropionate, cypionate, and decanoate. All share the 19-nortestosterone steroid nucleus but differ in ester size, structure, and lipophilicity.

Following release from the oil depot, esterases cleave each ester group and generate active nandrolone. The selected ester combination influences the timing of exposure rather than the identity of the active hormone.

- Shared 19-nortestosterone steroid nucleus
- Three distinct 17β ester groups
- Oil-soluble injectable formulation
- Hydrolysis to active nandrolone
- Multi-phase depot-release characteristics

CHEMICAL PROFILE

Parameter	Information
Parent Hormone	Nandrolone / 19-Nortestosterone
Component 1	Nandrolone Phenylpropionate 100 mg/mL
Component 2	Nandrolone Cypionate 100 mg/mL
Component 3	Nandrolone Decanoate 200 mg/mL
Administration	Intramuscular Injection
Dosage Form	Oil-Based Injectable Solution
Primary Receptor Target	Androgen Receptor
Total Concentration	400 mg/mL
Clinical Status	Fictional Non-Standardized Formulation

PHARMACOLOGY

Nandrolone Blend acts as a multi-ester depot source of nandrolone. Following intramuscular injection, phenylpropionate, cypionate, and decanoate components are released from the oil vehicle at different rates and hydrolyzed by esterases.

Active nandrolone enters target cells and binds to intracellular androgen receptors. The hormone-receptor complex influences transcription involved in protein metabolism, nitrogen balance, skeletal muscle, bone tissue, erythropoiesis, and reproductive physiology.

Three Nandrolone Esters → Staggered Depot Release and Hydrolysis → Active Nandrolone → Androgen-Receptor Activation → Androgen-Responsive Gene Expression

Nandrolone may undergo tissue-specific 5α-reduction to dihydronandrolone and limited aromatization to estrogenic metabolites.

MECHANISM OF ACTION

The primary mechanism involves:

- Staggered release of three esters from the intramuscular depot
- Enzymatic hydrolysis to active nandrolone
- Binding of nandrolone to intracellular androgen receptors

- Regulation of androgen-responsive gene transcription
- Tissue-specific conversion to dihydronandrolone
- Potential formation of estrogenic metabolites
- Modulation of protein, nitrogen, bone, and hematological physiology

The ester blend modifies the exposure pattern, while all three components release the same active parent hormone.

PHARMACODYNAMICS

- Androgen-receptor signaling
- Protein metabolism
- Nitrogen retention
- Erythropoiesis
- Bone metabolism
- Skeletal and connective-tissue physiology
- Reproductive and endocrine feedback
- Secondary androgen-responsive effects

SKELETAL MUSCLE SYSTEM

Nandrolone interacts with androgen receptors in skeletal muscle and may influence:

- Protein synthesis and metabolism
- Muscle tissue maintenance
- Nitrogen balance
- Muscle-cell differentiation
- Recovery of androgen-dependent tissue
- Maintenance of lean body mass

Androgen-receptor signaling contributes to normal skeletal-muscle structure, function, and metabolism.

SKELETAL SYSTEM

Androgen-receptor signaling contributes to skeletal physiology and may influence:

- Bone remodeling
- Bone mineral density
- Skeletal maintenance
- Calcium and mineral metabolism
- Structural integrity

Nandrolone has historically attracted clinical interest in relation to bone metabolism, although evidence and approved indications vary by preparation and jurisdiction.

CONNECTIVE TISSUE

Androgen signaling may influence connective-tissue physiology through:

- Structural protein metabolism
- Tissue maintenance

- Tissue remodeling
- Collagen metabolism
- Interaction with musculoskeletal adaptation

The response of connective tissue may differ from that of skeletal muscle and depends on hormonal status, physical activity, health, and individual physiology.

REPRODUCTIVE SYSTEM

Nandrolone interacts with androgen-sensitive tissues and may influence:

- Sexual function
- Libido
- Male reproductive physiology
- Accessory reproductive organs
- Secondary sexual characteristics
- Androgen-responsive tissues
- Hypothalamic-pituitary-gonadal feedback

Exogenous nandrolone can suppress luteinizing hormone and follicle-stimulating hormone, reducing endogenous testosterone production and spermatogenesis.

PHARMACOKINETICS

Following intramuscular injection, the three esterified compounds remain temporarily within an oil-based depot. Differences in ester size and lipophilicity support staggered absorption and overlapping release phases.

Nandrolone phenylpropionate is intended to contribute the earlier phase, while cypionate and decanoate support progressively longer depot release. The exact combined profile depends on formulation and has not been established in standardized clinical studies.

After ester hydrolysis, nandrolone circulates bound to plasma proteins and undergoes hepatic and peripheral metabolism. Metabolites, including 19-norandrosterone-related products, are eliminated mainly through urine.

Exposure depends on component ratio, concentration, oil vehicle, injection site, administration technique, and individual physiology.

PHYSIOLOGICAL EFFECTS

Nandrolone activates androgen receptors and may influence protein metabolism, nitrogen balance, skeletal muscle, bone tissue, erythropoiesis, reproductive physiology, and other androgen-responsive systems.

Its profile differs from testosterone because nandrolone undergoes distinct 5α-reduction and aromatization pathways. Esterification changes the release pattern rather than the receptor target of the active hormone.

Supraphysiological or non-medical exposure can increase the likelihood of endocrine suppression, fertility impairment, lipid changes, fluid retention, cardiovascular complications, acne, and other androgen-related adverse effects.

CLINICAL APPLICATIONS

Individual nandrolone esters have had historical medical applications in selected anemias, catabolic conditions, and disorders involving bone metabolism. Evidence and indications for one ester cannot automatically be transferred to a blend.

A multi-ester preparation creates additional formulation and exposure considerations. The clinical behavior of this exact fixed ratio has not been established through standardized human trials.

The displayed 400 mg/mL formulation is a fictional NEXON catalog presentation and should not be interpreted as an independently approved fixed-dose medicinal product.

SAFETY CONSIDERATIONS

Nandrolone exposure requires consideration of cardiovascular, hematological, endocrine, reproductive, metabolic, prostate, hepatic, and psychological health.

Important safety considerations include:

- Cardiovascular health
- Blood pressure
- Hematocrit and hemoglobin
- Lipid profile
- Liver function
- Endocrine function
- Reproductive function and fertility
- Prostate health
- Sleep apnea risk
- Fluid retention
- Injection-site reactions

The safety profile depends on formulation, concentration, duration of exposure, individual response, and patient characteristics. Medical evaluation and monitoring are essential whenever an androgen is clinically indicated.

POTENTIAL ADVERSE EFFECTS

Potential adverse effects associated with nandrolone and other anabolic-androgenic steroids may involve endocrine, cardiovascular, hematological, dermatological, reproductive, hepatic, metabolic, and psychological systems.

Endocrine Effects

- Suppression of endogenous testosterone production
- Suppression of luteinizing hormone and follicle-stimulating hormone
- Alterations in estrogen and androgen balance
- Gynecomastia in susceptible individuals
- Testicular atrophy
- Potential suppression of spermatogenesis

Cardiovascular Effects

- Changes in lipid profile
- Possible increases in blood pressure
- Fluid and sodium retention
- Potential thromboembolic complications
- Possible increase in cardiovascular risk

Hematological Effects

- Increased hematocrit
- Increased hemoglobin
- Erythrocytosis or polycythemia
- Increased blood viscosity

Dermatological Effects

- Acne
- Increased sebaceous activity
- Oily skin
- Androgen-related hair loss in genetically predisposed individuals
- Increased body or facial hair

Reproductive Effects

- Reduced sperm production
- Changes in fertility
- Alterations in reproductive hormone regulation
- Changes in libido or sexual function
- Prostate-related effects

Hepatic and Metabolic Effects

- Changes in lipid parameters
- Alterations in glucose metabolism
- Changes in liver-function parameters
- Fluid and electrolyte imbalance
- Changes in body composition

Administration Related Effects

- Injection-site pain
- Swelling or irritation
- Inflammatory reactions
- Hypersensitivity to active ingredients or excipients
- Infection when administration is not performed under appropriate sterile conditions

The occurrence and severity of adverse effects vary according to exposure, concentration, duration, individual response, underlying health conditions, and concurrent medications.

CONTRAINDICATIONS

Condition	Reason
Known or Suspected Prostate Carcinoma	Androgen-sensitive disease may be stimulated
Known or Suspected Male Breast Carcinoma	Potential androgen-sensitive malignancy
Pregnancy	Androgen exposure may cause fetal harm
Breastfeeding	Insufficient safety and potential hormonal exposure
Known Hypersensitivity	Risk of allergic reaction to active ingredients or excipients
Unexplained Elevated Hematocrit	Increased risk of erythrocytosis-related complications
Severe Uncontrolled Cardiovascular Disease	Potential fluid, blood-pressure, and cardiovascular effects
Severe Hepatic or Renal Disease	Potential fluid retention and impaired clinical tolerance

DRUG INTERACTIONS

Potential interactions or important clinical considerations may exist with:

- Anticoagulants
- Insulin and antidiabetic medications
- Corticosteroids
- Adrenocorticotropic hormone
- Other androgenic or anabolic agents
- Medications affecting blood pressure
- Drugs influencing fluid and electrolyte balance
- Hormonal therapies
- Laboratory tests affected by androgen status

Nandrolone may affect anticoagulant response, glucose-control requirements, fluid retention, and selected laboratory measurements. The clinical significance depends on the specific medication, health condition, formulation, exposure, and individual response.

LABORATORY MONITORING

Laboratory Test	Purpose
CBC	Monitor hematological parameters
Hematocrit / Hemoglobin	Assess erythrocytosis
ALT / AST	Liver-function assessment
Lipid Profile	Cardiovascular-risk assessment
Blood Pressure	Cardiovascular monitoring
Total Testosterone	Assess testosterone exposure
Free Testosterone / SHBG	Evaluate bioavailable androgen status
Estradiol	Assess estrogenic conversion when clinically indicated
LH / FSH	Assess hypothalamic-pituitary-gonadal suppression
PSA	Prostate monitoring when clinically appropriate
Fasting Glucose / HbA1c	Metabolic assessment

STORAGE AND 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 the solution and packaging before use.
- Do not use if the container is damaged or the solution shows unexpected contamination.
- Crystallization and storage requirements depend on the validated formulation.

PRODUCT AUTHENTICITY

Every genuine NEXON product should include appropriate quality-verification features.

- Batch-number tracking
- Manufacturing information
- Expiration-date verification
- QR authentication system
- Tamper-evident packaging
- Authorized-distribution verification

NEXON emphasizes transparency, traceability, and product-quality control.

FREQUENTLY ASKED QUESTIONS

What is Nandrolone Blend?

It is a fictional triple-ester oil-based injectable formulation containing nandrolone phenylpropionate, cypionate, and decanoate.

Which active ingredients are included?

The selected formulation contains 100 mg/mL phenylpropionate, 100 mg/mL cypionate, and 200 mg/mL decanoate.

What does 400 mg/mL represent?

It is the combined labeled concentration of the three nandrolone esters in one milliliter.

Do the three esters release different hormones?

No. After hydrolysis, all three components release active nandrolone; the esters primarily change release timing.

Is Nandrolone Blend a peptide?

No. It is an esterified steroid-hormone formulation in the anabolic-androgenic steroid class.

Is it a SARM?

No. Nandrolone is a steroidal androgen-receptor agonist, not a selective androgen-receptor modulator.

Is it oral or injectable?

It is presented as an oil-based solution intended for intramuscular administration.

Why are different esters combined?

The fictional formulation is designed to present earlier, intermediate, and prolonged depot-release phases within one product.

Can it suppress natural testosterone production?

Yes. Exogenous nandrolone can suppress hypothalamic-pituitary-gonadal signaling, endogenous testosterone production, and spermatogenesis.

Is this specific blend FDA approved?

No. The displayed 400 mg/mL fixed-ratio blend is fictional and is not presented as an independently FDA-approved medicine.

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.

SCIENTIFIC REFERENCES

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