



GUINAMA. Laboratory distributing raw materials for the pharmaceutical and cosmetics industries.

Type of Document:

**TECHNICAL DATA SHEET**

Fecha revisión:

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Versión:

**3.0**

## 10663-DUTASTERIDE

### 1. IDENTIFICATION OF THE SUBSTANCE OR PREPARATION.

#### 1.1 Identification of the substance or preparation

Name: Dutasteride

Bulk code: 10663

#### 1.2 Synonyms

No information available.

### 2. DESCRIPTION

Appearance: Powder

Colour: White or pale yellow

### 3. COMPOSITION/INFORMATION ON COMPONENTS.

Formula: C<sub>27</sub>H<sub>30</sub>F<sub>6</sub>N<sub>2</sub>O<sub>2</sub>

CAS: 164656-23-9

Molecular weight: 528.5 g/mol

### 4. PHYSICO-CHEMICAL DATA.

See detailed specifications in analysis report.

**Solubility:** Practically insoluble in water, slightly soluble in methylene chloride, soluble or barely soluble in anhydrous ethanol.

### 5. PROPERTIES/USES.

ACTIVE PHARMACEUTICAL INGREDIENT.

Specification: VETERINARY GRADE.

Dutasteride is an inhibitor of 5-alpha-reductase. Dutasteride reduces the circulating levels of dihydrotestosterone (DHT), inhibiting the type 1 and type 2 isoenzymes of 5-alpha-reductase, which are responsible for converting testosterone into 5-alpha-DHT.

Dutasteride is used to treat benign prostatic hyperplasia and can reduce the occurrence of acute urinary retention and the need for surgery.

Dutasteride is being researched for prostate cancer prevention and in the treatment of alopecia.



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### 6. DOSAGE.

Orally: 500 micrograms a day, either alone or with the alpha-blocker tamsulosin.

### 7. REMARKS.

#### STORAGE:

Store at room temperature ( $25\pm 2^{\circ}\text{C}$ ), in a cool, dry place, away from sunlight, in a tightly closed container.

The product has been handled in a NON-sterile room; for batches suitable for sterile use, check availability.

### 8. BIBLIOGRAPHY.

Vademecum

"Martindale. The Extra Pharmacopoeia". 37th Edition. Ed. The Pharmaceutical Press. London. (2011).