



LKT Laboratories, Inc.

Finasteride

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Product Information

Product ID F3354

CAS No. 98319-26-7

Chemical Name (5 α ,17 β)-N-(1,1-Dimethylethyl)-3-oxo-4-azaandrost- 1-ene-17-carboxamide

Synonym Finastid, Propecia, Proscar, Prostide

Formula C₂₃H₃₆N₂O₂

Formula Wt. 372.54

Melting Point 252-254 °C ° r 257 °C

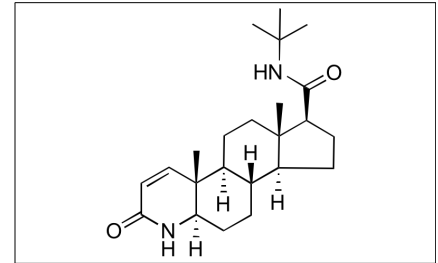
Purity ≥98%

Solubility Soluble in chloroform.
DMSO, ethanol and
methanol. Slightly soluble in
water.

Store Temp Ambient

Ship Temp Ambient

Description Finasteride is an inhibitor of steroid 5 α -reductase that decreases metabolism of testosterone, decreasing cell proliferation and fluid production in the prostate; it is clinically used to treat benign prostatic hyperplasia (BPH) and male pattern baldness. Finasteride also exhibits antifungal and anticancer chemotherapeutic activities. Finasteride inhibits growth of *Candida*. Additionally, finasteride suppresses regrowth of regressed prostate tumors and inhibits cell proliferation in vivo and in vitro in short term application models.



Bulk quantities available upon request

Product ID	Size
F3354	100 mg
F3354	500 mg

References Chavez-Dozal AA, Lown L, Jahng M, et al. An in vitro analysis of finasteride activity against *Candida albicans* urinary biofilm formation and filamentation. *Antimicrob Agents Chemother.* 2014 Jul 21. [Epub ahead of print]. PMID: 25049253.

Masoodi KZ, Ramos Garcia R, Pascal LE, et al. 5 α -reductase inhibition suppresses testosterone-induced initial regrowth of regressed xenograft prostate tumors in animal models. *Endocrinology.* 2013 Jul;154(7):2296-307. PMID: 23671262.

Zager MG, Barton HA. A multiscale, mechanism-driven, dynamic model for the effects of 5 α -reductase inhibition on prostate maintenance. *PLoS One.* 2012;7(9):e44359. PMID: 22970204.

Caution: This product is intended for laboratory and research use only. It is not for human or drug use.