
Product Data Sheet

Product Name: Finasteride acetate

Cat. No.: GC17572

Chemical Properties

Cas. No. 222989-99-3

Formula $C_{25}H_{40}N_2O_4$ M.Wt 432.6

Solubility Soluble in DMSO Storage Store at $-20^{\circ}C$

General tips For obtaining a higher solubility, please warm the tube at $37^{\circ}C$ and shake it in the ultrasonic bath for a while. Stock solution can be stored below $-20^{\circ}C$ for several months.

Shipping Condition Evaluation sample solution: ship with blue ice. All other available size: ship with RT, or blue ice upon request.

Structure

Background

Finasteride acetate (MK-906, Proscar and Propecia) is a specific inhibitor of 5α -reductase and a drug of synthetic used in the benign prostatic hyperplasia (BPH) and the male pattern baldness (MPB) [1].

In vivo, Finasteride acetate (MK-906, Proscar and Propecia) has been reported to significantly reduce the concentration of DHT in prostatic tissue without side effects in pharmacologic experiments in rats and dogs. In addition, Finasteride acetate has shown the inhibition of 5α -reductase activity resulted in significant inhibition of DHT levels. Finasteride acetate has also shown the effect on reducing prostate volume in clinical experiments [1]. Finasteride acetate has been revealed to have the function to inhibit glucuronyl transferase in vitro test using rat prostate tissue [2].

References:

[1] Stoner E. The clinical development of a 5 alpha-reductase inhibitor, finasteride. J Steroid Biochem Mol Biol. 1990 Nov 20;37(3):375-8.

[2] Rittmaster RS1, Stoner E, Thompson DL, Nance D, Lasseter KC. Effect of MK-906, a specific 5 alpha-reductase inhibitor, on serum androgens and androgen conjugates in normal men. J Androl. 1989 Jul-Aug;10(4):259-62.

Caution: Product has not been fully validated for medical applications. For research use only.

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