

Effect of β -sitosterol as Inhibitor of 5α -reductase in Hamster Prostate

Cabeza M, Bratoeff E, Heuze I, Ramírez E, Sánchez M, Flores E

Department of Biological Systems and Animal Production, Metropolitan University-Xochimilco, Mexico

Abstract

The present study was conducted on β -sitosterol (I) as 5α -reductase inhibitor. Differences in efficacy of compound I on humans and hamsters were also discussed.

Activity and Bioassay

Compound I not only remarkably inhibited the growth of the gonadectomized hamster prostate treated with T at two different doses, but also inhibited 5α -reductase with $IC_{50} = 2.7$ mM.

