

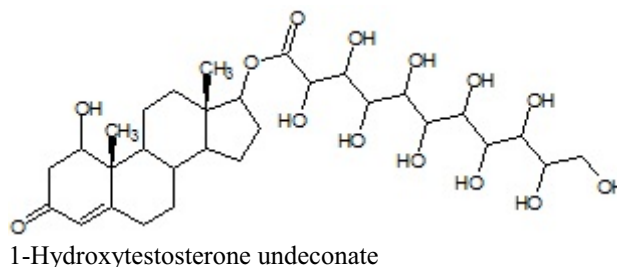
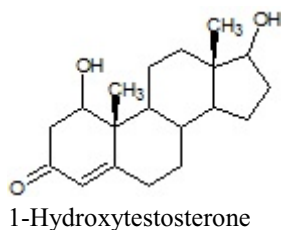
Drug Status Report

Drug: 1-Hydroxytestosterone

Drug Name Status: 1-Hydroxytestosterone is the common name.

Chemical Name: (1beta,17beta)-1,17-Dihydroxy-androst-4-en-3-one

Chemical structure:



Molecular Formula: 1-Hydroxytestosterone - $C_{19}H_{28}O_3$

1-Hydroxytestosterone undecyloate - $C_{30}H_{48}O_{14}$

Pharmacological class / Application: steroid

International status:

US: 1-Hydroxytestosterone is not currently listed on the schedules to the US Controlled Substances Act and is not mentioned on the DEA website.

United Nations: 1-Hydroxytestosterone is not listed on the Yellow List - List of Narcotic Drugs under International Control nor the Green List - List of Psychotropic Substances under International Control.

Canadian Status: 1-Hydroxytestosterone is a derivative (metabolite) of testosterone¹. It is therefore included in item 23 of Schedule IV, "Anabolic steroids and their derivatives" as testosterone is subitem 23(40). Derivatives of 1-hydroxytestosterone such as the 17-decylate (structure above) are also included in item 23.

¹ Krauser JA, Voehler M, Tseng LH, Schefer AB, Godejohann M, Guengerich FP., Eur J Biochem. 2004 Oct;271(19):3962-9

and

Hong Xiang, Richard A. Tschirret-Guth, and Paul R. Ortiz de Montellano, J. Biol. Chem., Vol. 275, Issue 46, 35999-36006, November 17, 2000.

Recommendation: 1-Hydroxytestosterone and its 17-deconate ester are included in item 23 of Schedule IV and are controlled substances.

November 25, 2008