

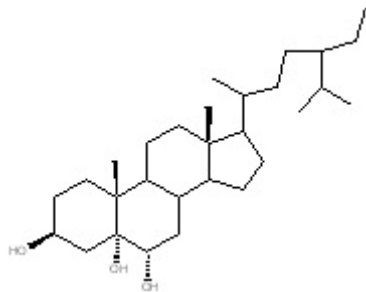
## Drug Status Report

**Drug:** 24-ethyl-cholestane-3b,5a,6a-triol

**Drug Name Status:** 24-ethyl-cholestane-3b,5a,6a-triol is the common name.

**Chemical Name:** 3-β-[(2-diethyl-amino)ethoxy]androst-5-en-17-one

**Chemical structure:**



**Molecular Formula:** C<sub>29</sub>H<sub>52</sub>O<sub>3</sub>

**Pharmacological class / Application:** steroid

**International status:**

**US:** 24-ethyl-cholestane-3b,5a,6a-triol is not listed on any of the schedules to the CSA and is not mentioned on the DEA website.

**United Nations:** 24-ethyl-cholestane-3b,5a,6a-triol is not listed on the Yellow List - List of Narcotic Drugs under International Control. The substance is not listed on the Green List - List of Psychotropic Substances under International Control.

**Canadian Status:** 24-ethyl-cholestane-3b,5a,6a-triol is a synthetic derivative of cholesterol and claimed to display anti-tumor activity<sup>1</sup>. There are no reports in the scientific literature that the substance demonstrates any anabolic activity. Accordingly, the substance is not included under Item 23 of Schedule IV to the CDSA, “Anabolic steroids and their derivatives”.

**Recommendation:** 24-ethyl-cholestane-3b,5a,6a-triol is not included in any of the Schedules to the CDSA and is not considered a controlled substance.

April 7<sup>th</sup>, 2010.

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<sup>1</sup>Habib, N. *et al.* (2009) Antitumor activity of a new cholesterol derivative (24-ethyl-cholestane-3β,5α,6α-triol) in solid tumors, *J Clin Oncol.* 27(S):e13541.