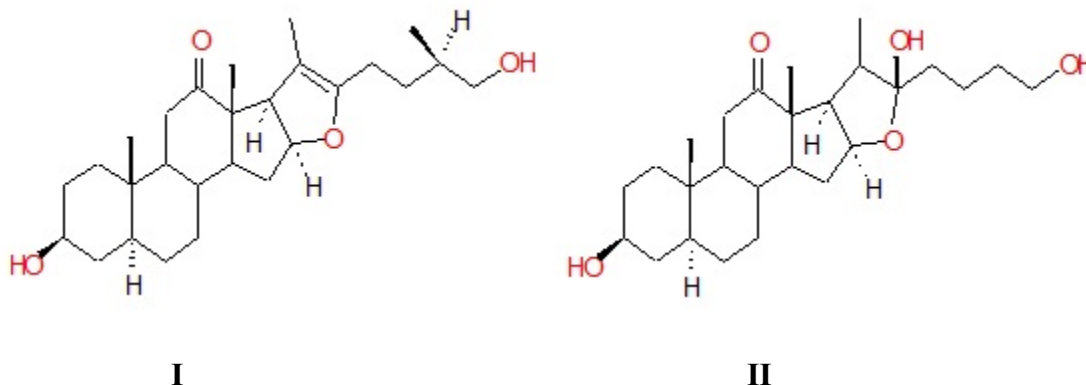


## Drug Status Report

**Drug:** 5 $\alpha$ -furost-20(22)-en-12-one-3 $\beta$ -26-diol (**I**) and 5 $\alpha$ -furostan-12-one-3 $\beta$ -22,26-triol (**II**)

**Chemical name:** 5 $\alpha$ -furost-20(22)-en-12-one-3 $\beta$ -26-diol (**I**) and 5 $\alpha$ -furostan-12-one-3 $\beta$ -22,26-triol (**II**)

**Chemical structure:**



**Molecular Formula:** C<sub>27</sub>H<sub>42</sub>O<sub>4</sub> (**I**) and C<sub>26</sub>H<sub>42</sub>O<sub>5</sub> (**II**)

**Pharmacological class / Application:** steroid; steroidal saponins

**International status:**

US: The substances are not listed on the schedules to the CSA.

United Nations: The substances are not listed on the Yellow List - List of Narcotic Drugs under International Control. The drugs are not listed on the Green List - List of Psychotropic Substances under International Control.

Canadian Status: 5 $\alpha$ -furost-20(22)-en-12-one-3 $\beta$ -26-diol (**I**) and 5 $\alpha$ -furostan-12-one-3 $\beta$ -22,26-triol (**II**) are furostan steroidal saponins. The substances are not listed or similar in structure to any of the substances listed on the schedules of the CSDA. There have been reports of the isolation of other furostans from plants, most notably protodioscin from *Tribulus terrestris* which has been promoted as a male sexual enhancer. Upon review, protodioscin was not considered as a controlled substance.

**Recommendation:** 5 $\alpha$ -furost-20(22)-en-12-one-3 $\beta$ -26-diol (**I**) and 5 $\alpha$ -furostan-12-one-3 $\beta$ -22,26-triol (**II**) are not controlled substances.

November 15, 2009