

## Drug Status Report

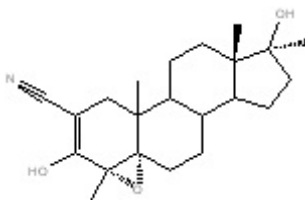
**Drug:** Epostane

**Drug Name Status:** Epostane is the proper (INN) name.

**Chemical Name:** 4,5-epoxy-3,17-dihydroxy-4,17-dimethylandro-2-ene-2-carbonitrile (4 $\alpha$ ,5 $\alpha$ ,17 $\beta$ )

**Other Names:** Androst-2-ene-2-carbonitrile, 4,5-epoxy-3,17-dihydroxy-4,17-dimethyl-, (4 $\alpha$ ,5 $\alpha$ ,17 $\beta$ )

**Chemical structure:**



**Molecular Formula:** C<sub>22</sub>H<sub>31</sub>NO<sub>3</sub>

**Pharmacological class / Application:** Steroid

**CAS RN:** 80471-63-2

**International status:**

**US:** Epostane is not listed specifically in the Schedules to the CSA and is not mentioned anywhere on the DEA website.

**United Nations:** Epostane 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:** Epostane is not currently listed in the CDSA. The substance is a progesterone synthesis inhibitor that has been used as an abortifacient agent<sup>1</sup>. The substance has not been reported in the literature to display any anabolic activity and is not a derivative of an anabolic steroid and therefore is not included under the heading "Anabolic steroids and their derivative" of item 23 of Schedule IV to the CDSA.

**Recommendation:** Epostane is not included under item 23 of Schedule IV to the CDSA and is not a controlled substance.

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<sup>1</sup>Snyder BW *et al.* (1989) Effect of epostane, ZK 98299, and ZK 98734 on the interruption of pregnancy in the rat, *Biol. Reproduction*. **40**:549-554.

October 6<sup>th</sup> 2010.