Drug Status Report

Drug:
I - 4,4-dimethyl-5α-androstane-3β,17β-diol
II - 17α-ethynyl-5α-androstane-3β,17β-diol, 3-acetate
III - 17α-ethynyl-5α-androstane-3β,17β-diol, diacetate

Drug Name Status:
I - 4,4-dimethyl-5α-androstane-3β,17β-diol is the common name
II - 17α-ethynyl-5α-androstane-3β,17-diol, acetate is the common name
III - 17α-ethynyl-5α-androstane-3β,17β-diol, diacetate is the common name

Chemical Name:
I - 4,4-dimethyl-5α-androstane-3β,17β-diol
II - (3β,17α)-Pregna-20-yn-3,17-diol, 3-acetate
III - (3β,17α)-Pregna-20-yn-3,17-diol, diacetate

Other Names:
I - 4,4'-dimethyl-3β,17β-androstanediol; 5α-androstan-3β,17β-diol, 4,4'-dimethyl-
II - 17α-ethynyl-androstan-3β,17β-diol, 3-acetate; Pregna-20-yn-3,17-diol (3β,17α) acetate; 17-
hydroxy-17-(1-ethynyl)-androstan (17β), 3-acetate
III - 17α-ethynyl-standan-3β,17β-diol, diacetate; 17α-ethynyl-estrane-3β,17β-diol diacetate,
17α-ethynyl-estrane-3β,17β-diol acetate, 17α-Pregna-20-yn-3β,17-diol diacetate, 3β,17β-
diacetoxy-17α-pregna-20-yn

Chemical structure:

![Chemical structure of drug I](image)

![Chemical structure of drug II](image)

![Chemical structure of drug III](image)

Molecular Formula: I - C_{21}H_{36}O_{2}, II - C_{23}H_{34}O_{3}, III - C_{25}H_{36}O_{4}
Pharmacological class / Application: steroid

International status:

US: The substances are not listed on the schedules to the CSA and are not mentioned on the DEA website.

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: 4,4-dimethyl-5α-androstane-3β,17β-diol, 17α-ethynyl-5α-androstane-3β,17β-diol, 3-acetate and 17α-ethynyl-5α-androstane-3β,17β-diol, diacetate are synthetic steroids and have not been reported in the literature to display any anabolic activity.

Recommendation: 4,4-dimethyl-5α-androstane-3β,17β-diol, 17α-ethynyl-5α-androstane-3β,17β-diol, 3-acetate and 17α-ethynyl-5α-androstane-3β,17β-diol, diacetate are not included in the schedules to the CDSA and are not controlled substances.