

Drug Status Report

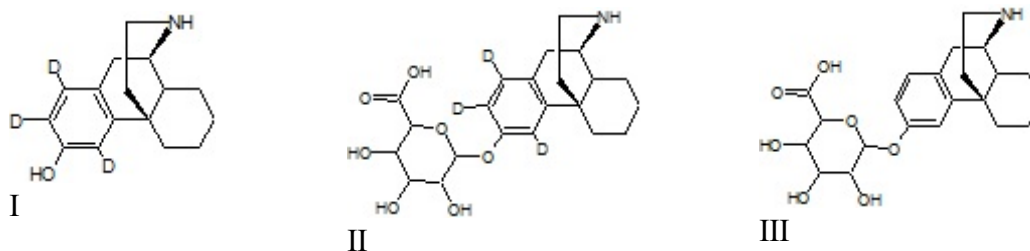
Drug: Dextrorphan related substances

- (I) N-Desmethyl-Dextrorphan-D3
- (II) N-Desmethyl-Dextrorphan β -D-O Glucuronide -D3
- (III) N-Desmethyl-Dextrorphan β -D-O Glucuronide

Drug Name Status: The above names are common names.

Chemical Name: I - (9a,13a,14a)-Morphinan-3-ol-d3;
II - (9a,13a,14a)-Morphinan-3-yl-d3 α -D-Glucopyranosiduronic acid
III - (9a,13a,14a)-Morphinan-3-yl α -D-Glucopyranosiduronic acid

Chemical structure:



Molecular Formula: (I) $C_{16}H_{18}D_3NO_3$

(II) $C_{22}H_{26}D_3NO_7$

(III) $C_{22}H_{29}NO_7$

Pharmacological class / Application: pharmaceutical related substance

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 nor the Green List - List of Psychotropic Substances under International Control.

Canadian Status: Item 10 of Schedule I to the CDSA is, "Morphinans, their salts, derivatives and salts of derivatives." Dextrorphan is excluded from this group by the "but not including" phrase and is subitem (11). Substance I is a morphinan and substances II and III are derivatives of morphinans. As these substances are not excluded from item 10 they are included.

Recommendation: Substances (I) to (III) are included in item 10 of Schedule I and are controlled substances.

February 5, 2009