

## Drug Status Report

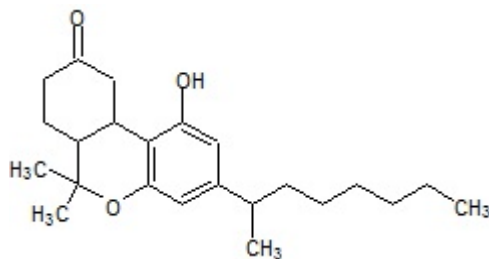
**Drug:** Demethyl nabilone

**Drug Name Status:** Demethyl nabilone is the common name

**Chemical Name:**

1-Hydroxy-3-(1-methylheptyl)-6,6-dimethyl-6,6a,7,8,10,10a-hexahydro-9H-dibenzo [b,d]pyran-9-one

**Chemical structure:**



There are two cis and trans isomers possible at the junction of the cyclohexyl and pyran rings.

**Molecular Formula:** C<sub>23</sub>H<sub>34</sub>O<sub>3</sub>

**Pharmacological class / Application:** nabilone analogue

**International status:**

US: The substance is not listed on the US Controlled Substances Act and is not mentioned on the DEA website. However, the tetrahydrocannabinols are listed on Schedule I to the CSA. The analogue provision of the CSA, "controlled substance analogue" means a substance- (I) the chemical structure of which is substantially similar to the chemical structure of a controlled substance in schedule I or II" therefore applies. The DEA would have to confirm the status of this substance under the CSA.

United Nations: The substance 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: Nabilone is listed under item 1 of Schedule II to the CDSA: "Cannabis, its preparations, derivatives and similar synthetic preparations". Demethyl nabilone is an analogue of nabilone differing only in having one less methyl group on the aliphatic chain; it is therefore

also a similar synthetic preparation.

Recommendation: Demethyl nabilone is included in item 1 of Schedule II to the CDSA and is a controlled substance.

June 11, 2008