Drug Status Report

**Drug**: Nabilone analogue (Dimethylhexyl)

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

**Chemical Name**: 
\(((\pm)-\text{trans}-3-(1,1\text{-Dimethylhexyl})-6,6a,7,8,10,10a\text{-hexahydro-1-hydroxy-6,6-dimethyl-9H-dibenz}\ o[b,d]\text{pyran-9-one})\)

**Chemical structure**:

![Chemical structure image]

**Molecular Formula**: \(C_{23}H_{34}O_3\)

**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”. Dimethylhexyl nabilone is an analogue of nabilone differing only in having one less carbon in the aliphatic chain; it is therefore also a similar synthetic preparation.

Recommendation: 2 Dimethylhexyl nabilone is included in item 1 of Schedule II to the CDSA and is a controlled substance.

March 25, 2008