Drug Status Report

**Drug:** 2-methyl-tetrahydrofuran

**Drug Name Status:** 2-methyltetrahydrofuran is the common name

**Chemical Name:** 2-methyl-tetrahydrofuran

**Other names:** 2-methyloxolane; methyltetrahydrofuran; 2-MeTHF

**Chemical structure:**

![Chemical Structure Image]

**Molecular Formula:** C$_5$H$_{10}$O

**CAS-RN:** 96-47-9

**Pharmacological/chemical class / Application:** fine chemical

**International status:**

US: The substance is not listed on the US Controlled Substances Act and is not mentioned on the DEA website.

United Nations: The substance is not listed on the Yellow List - List of Narcotic Drugs under International Control, the Green List - List of Psychotropic Substances under International Control, nor the Red List - List of Precursors and Chemicals Frequently Used in the Illicit Manufacture of Narcotic Drugs and Psychotropic Substances Under International Control.

Canadian Status: 2-methyltetrahydrofuran is a chemical that is used as a solvent in organic reactions and is increasingly viewed as a more environmentally friendly alternative to tetrahydrofuran$^{1,2}$. The substance is not listed in the CDSA and is not structurally similar to any of the substances listed in the Schedules to the CDSA.

**Recommendation:** 2-methyltetrahydrofuran is not included in the Schedules to the CDSA and is not a controlled substance.

July 13$^{th}$ 2010

$^1$Simeo, Y et al. (2009) Regioselective enzymatic acylation of pharmacologically interesting nucleosides in 2-methyltetrahydrofuran, a greener substitute for THF, Green Chem. 11:855-862.