Drug Status Report

**Drug:** 4'-methylpropiophenone

**Drug Name Status:** 4'-methylpropiophenone is the common name.

**Chemical Name:** 1-propanone, 1-(4-methylphenyl)-

**Other Names:** *p*-methylpropiophenoe

**Chemical structure:**

![Chemical structure of 4'-methylpropiophenone]

**Molecular Formula:** C₁₀H₁₂O

**Pharmacological class / Application:** fine chemical

**International status:**

US: The substance is not currently 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 nor the Green List - List of Psychotropic Substances under International Control.

Canadian Status: 4'-methylpropiophenone has been reported to be used in the synthesis of pharmaceutical compounds such as tolperisone and other muscle relaxants\(^1\). The substance is also a starting material in the synthesis of 4-methylmethcathinone (mephedrone), which is controlled under item 1 of Schedule III of CDSA. However, 4'-methylpropiophenone is not similar to any of the substances listed in the Schedules to the CDSA.

Recommendation: 4'-methylpropiophenone is not included in any of the schedules to the CDSA and is not a controlled substance.

April 9\(^{th}\) 2010

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