

Drug Status Report

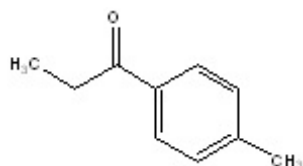
Drug: 4'-methylpropiophenone

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

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

Other Names: *p*-methylpropiophenone

Chemical structure:



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 relaxants¹. 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 9th 2010

¹Dietrich, A and Fels, G. (1999) Synthesis of ³H-Tolperisone, J. Labelled Compounds Radiopharmaceuticals, **42**:1125-1134.