Drug Status Report

Drug: \(\alpha\)-Methyl-1,3-benzodioxole-5-propanal

Drug Name Status: \(\alpha\)-Methyl-1,3-benzodioxole-5-propanal is the common name.

Chemical Name: 3-(3,4-methylenedioxyphenyl)-2-methyl-propanol

Other Names: \(\alpha\)-methyl-3,4-(methylenedioxy)-hydrocinnamaldehyde; \(\alpha\)-methyl-1,3-benzodioxole-5-propionaldehyde.

Chemical structure:

![Chemical structure diagram]

Molecular Formula: \(C_{11}H_{12}NO_3\)

CAS RN: 1205-17-0

Pharmacological class / Application: Fine chemical

International status:

US: The substance is not listed on the schedules to the CSA 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: \(\alpha\)-Methyl-1,3-benzodioxole-5-propanal is a widely used as a commercial fragrance material in a variety of consumer products including cosmetics, shampoos, soaps, household cleaners and detergents\(^1\). The substance is not currently listed in the CDSA and is not structurally similar to any of the substances listed in the Schedules to the CDSA.

Recommendation: \(\alpha\)-Methyl-1,3-benzodioxole-5-propanal is not included in the schedules to the CDSA and is not a controlled substance.

June 29\(^{th}\), 2010

\(^1\)Api, AM et al. (2007) In vitro penetration and subchronic toxicity of \(\alpha\)-Methyl-1,3-benzodioxole-5-propionaldehyde, Food and Chem. Toxicol. 45:702-707.