Drug Status Report

**Drug**: Beta-Keto-Methylenedioxymethylamphetamine (I)

**Drug Name Status**: Beta-Keto-Methylenedioxymethylamphetamine is the common name.

**Chemical Name**: 1-(1,3-Benzodioxol-5-yl)-2-(ethylamino)propan-1-one

**Other Names**: bk-MDEA; 3,4-methylenedioxymethylcathinone; 3,4-methylenedioxymethylcathinone; ethylone.

**Chemical structure**:

![Chemical structure diagram]

**Molecular Formula**: C_{12}H_{15}NO_{3}

**Pharmacological class / Application**: unknown

**International status**:

US: The substance is not currently listed on the schedules to the US Controlled Substances Act and is not mentioned on the DEA website. However, I may be controlled in the US due to the analogue provisions in 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: Item 1 of Schedule III to the CDSA is “Amphetamines, their salts, derivatives, isomers and analogues and salts of derivatives, isomers and analogues”. The term analogue is defined in section 2 to the CDSA; "analogue" means a substance that, in relation to a controlled substance, has a substantially similar chemical structure.” Subitem 1(13) of Schedule III to the CDSA is “N-Ethyl-3,4-methylenedioxamphetamines” (MDEA); its structure is shown above. A comparison of the structure of substance I to that of MDEA indicates that I is an analogue of MDEA and is included in item 1 of Schedule III.
Recommendation: Beta-Keto-Methylenedioxyethylamphetamine (I) is included in item 1 of Schedule III to the CDSA and is a controlled substance.

Revised September 28, 2009