

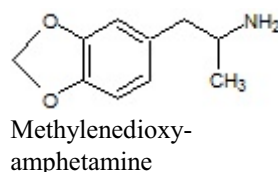
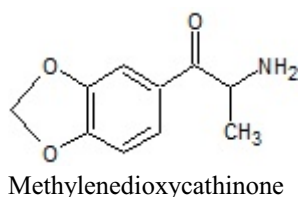
## Drug Status Report

**Drug:** Methylenedioxyecathinone

**Drug Name Status:** Methylenedioxyecathinone is the common name.

**Chemical Name:**  $\alpha$ -Methyl-1,3-benzodioxole-5-(2-oxoethanamine)

**Chemical structure:**



**Molecular Formula:** C<sub>10</sub>H<sub>11</sub>NO<sub>3</sub>

**Pharmacological class / Application:** amphetamine-like stimulant<sup>1</sup>

**International status**

US: The substance is not listed on the US Controlled Substances Act and is not mentioned on the DEA website. However, methylenedioxyecathinone 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." Subitem 1(5) is 3,4-methylenedioxyamphetamine which is also known as MDA (structure shown above). Methylenedioxyecathinone is analogous to MDA in that it contains the same structure with an additional oxygen. Methylenedioxyecathinone is therefore an analogue of MDA and is included in item 1 of Schedule III to the CDSA.

**Recommendation:** Methylenedioxyecathinone is included in item 1 of Schedule III to the CDSA

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<sup>1</sup> Dal Cason TA, Young R, Glennon RA., Pharmacol Biochem Behav. 1997 Dec;58(4):1109-16.

and is a controlled substance.

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