Drug Status Report

**Drug**: Mexidol

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

**Chemical Name**: 2-ethyl-6-methyl-3-hydroxypyridine succinate

**Other Names**: Emoxypine succinate

**Chemical structure**:

![Chemical structure image]

**Molecular Formula**: C$_8$H$_{11}$NO.C$_4$H$_6$O$_4$

**Pharmacological class / Application**: Antioxidant

**International status**:

US: The drug 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. The drug is not listed on the Green List - List of Psychotropic Substances under International Control.

Canadian Status: Mexidol is an antioxidant that is used in the treatment of a variety of diseases such as atherosclerosis and coronary heart diseases$^1$, Parkinson’s disease$^2$, acute pancreatitis$^3$, and brain lesions$^4$. Mexidol exerts its antioxidant effects by inhibiting the initial stage of the free-radical lipid peroxidation (LPO) reaction$^3$. Mexidol is not listed in the CDSA and is not


structurally similar to any of the substances listed in the Schedules to the CDSA.

Recommendation: Mexidol is not included in the schedules to the CDSA and is not a controlled substance.

January 7th, 2010