Drug Status Report

Drug: 1,4-Butynediol

Drug Name Status: 1,4-Butynediol is the common name.

Chemical Name: 2-Butyne-1,4-diol

Chemical structure:

\[
\text{HO} \quad \equiv \quad \text{OH}
\]

The 1-butyne-1,4-diol isomer is also theoretically exists but it may not be stable. Chemical references point to the 2-butyne isomer shown.

Molecular Formula: \( \text{C}_4\text{H}_6\text{O}_2 \)

Pharmacological class / Application: fine chemical

International status:

US: The substance is not listed on the schedules to the US Controlled Substances Act.

United Nations: The substance is not listed on the Yellow List - List of Narcotic Drugs under International Control nor on the Green List - List of Psychotropic Substances under International Control

Canadian Status: 1,4-Butynediol is not similar to substances listed on the schedules to the CDSA.

Recommendation: 1,4-Butynediol is not included in the schedules to the CDSA and is not a controlled substance.

October 8, 2009