STATUS DECISION OF CONTROLLED AND NON-CONTROLLED SUBSTANCE(S)

Substance: Tribenoside

Based on the current information available to the Office of Controlled Substances, it appears that the above substance is:

- Controlled  
- Not Controlled

under the schedules of the *Controlled Drugs and Substances Act* (CDSA) for the following reason(s):

- Tribenoside is an active substance of Glyvenol and used in the treatment of osteoarthrosis and varicose veins. It is not similar to any of the substances in the CDSA.

Prepared by: ___________________________   Date: October 13th 2010
Evelyn C Soo

Verified by: ___________________________   Date: _______________
Marianne Tang

Approved by: ___________________________   Date: _______________
DIRECTOR, OFFICE OF CONTROLLED SUBSTANCES

This status was requested by: Quebec Inspectorate
Drug Status Report

**Drug**: Tribenoside

**Drug Name Status**: Tribenoside is the proper (INN) name.

**Chemical Name**: Ethyl 3,5,6-tris-O-(phenylmethyl)-D-glucofuranoside

**Chemical Structure**:

![Chemical Structure](image)

**Molecular Formula**: \( \text{C}_{29}\text{H}_{34}\text{O}_{6} \)

**CAS-RN**: 10310-32-4

**Pharmacological class / Application**: Anti-inflammatory; anti-arthrotic

**International status**:

US: The substance is not listed specifically in the CSA and is not mentioned anywhere on the DEA website.

United Nations: The substance is not listed on the Yellow List - List of Narcotic Drugs under International Control, the Green List - List of Psychotropic Substances under International Control, nor the Red List - List of Precursors and Chemicals Frequently Used in the Illicit Manufacture of Narcotic Drugs and Psychotropic Substances under International Control.

Canadian Status: The substance is the active substance of Glyvenol and is reported in the literature to display a range of pharmacological activities including anti-inflammatory, mild analgesic, antitoxic, wound-healing, fibrinolysis-promoting, anti-arthrotic, amine-release-inhibitory, membrane-stabilizing and venotropic properties. Tribenoside has been reported to be useful in the treatment of osteoarthrosis and varicose veins and is not similar to any of the substances in the CDSA.

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**Recommendation:** Tribenoside is not included in the Schedules to the CDSA is not a controlled substance.

**Date:** October 13th 2010