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

Substance: Diclofensine

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):

- Diclofensine is an antidepressant drug and is not similar in structure to any of the substances listed in the CDSA.

Prepared by: ____________________________  Date: August 3\(^{rd}\) 2010

Victoria-Magali Zelaya

Verified by: ____________________________  Date: __________

Marianne Tang

Approved by: ____________________________  Date: __________

DIRECTOR, OFFICE OF CONTROLLED SUBSTANCES

*This status was requested by:* Inspectorate for CBSA.
Drug Status Report

**Drug:** Diclofensine

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

**Chemical Name:** (±)-4-(3,4-Dichlorphenyl)-1,2,3,4-tetrahydro-7-methoxy-2-methylisoquinoline

**Other Names:** (-)-4-(3,4-Dichlorphenyl)-1,2,3,4-tetrahydro-7-methoxy-2-methylisochinolin; Diclofensinum; Moxifensin; Ro 8-4650

**Chemical structure:**

![Chemical structure of Diclofensine](image)

**Molecular Formula:** $C_{17}H_{17}Cl_2NO$

**Pharmacological class / Application:** antidepressant

**CAS-RN:** 67165-56-4

**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 nor the Green List - List of Psychotropic Substances under International Control.
Canadian Status: Diclofensine is an antidepressant drug and is not listed specifically in the CDSA. The substance has been shown in the scientific literature to inhibit the uptake of serotonin, noradrenaline and dopamine\(^1\) and consist of an isoquinoline moiety rather than the tricyclic core structure that is common to many antidepressants. The substance is not structurally similar to any of the substances listed in the Schedules to the CDSA.

**Recommendation:** Diclofensine is not similar to any of the substances included in the Schedules to the CDSA and is not a controlled Substance.

**Date:** 3 August 2010

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