



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 [x]

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: Victoria-Magali Zelaya Date: August 3rd 2010

Verified by: Marianne Tang Date:

Approved by: DIRECTOR, OFFICE OF CONTROLLED SUBSTANCES Date:

This status was requested by: Inspectorate for CBSA.

Drug Status Report

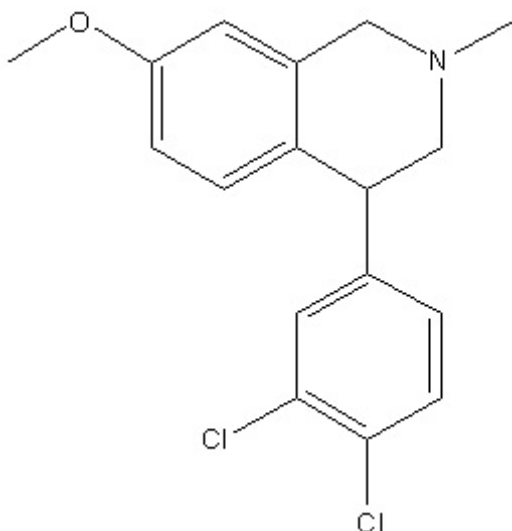
Drug: Diclofensine

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

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

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

Chemical structure:



Molecular Formula: C₁₇H₁₇Cl₂NO

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 dopamine¹ 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

¹Cherpillod, C. and Omer, LM. (1981) A controlled trial with diclofensine, a new psychoactive drug, in the treatment of depression, *J. Int. Med. Res.* **9**:324-329.