



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

Substance: Zonisamide

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):

- The drug is used for the treatment of epilepsy and is not similar to any of the substances listed in the CDSA.

Prepared by: _____
Evelyn C Soo

Date: October 25th 2010

Verified by: _____
Marianne Tang

Date: _____

Approved by: _____
DIRECTOR, OFFICE OF CONTROLLED
SUBSTANCES

Date: _____

This status was requested by: Michael Kim of the Inspectorate.

Drug Status Report

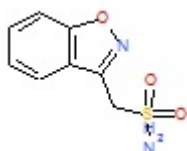
Drug: Zonisamide

Drug Name Status: Zonisamide is the proper (INN) name

Chemical Name: 1,2-Benzisoxazole-3-methanesulfonamide

Other Names: 3-(sulfamoylmethyl)-1,2-benzisoxazole

Chemical Structure:



Molecular Formula: C₈H₈N₂O₃S

CAS-RN: 68291-97-4

Pharmacological class / Application: Anticonvulsant

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: Zonisamide is a drug used in the treatment of epilepsy¹ and has demonstrated potential in the treatment of dementia² and Parkinson's disease³. The substance

¹Vossler, DG. (2010) Zonisamide as adjunctive therapy for adults with partial-onset epileptic seizures: An efficacy and safety review, *Clin. Med. Insights. Ther.* **2**:331-339.

²Odawara, T. et al. (2010) Administration of zonisamide in three cases of dementia with Lewy bodies, *Psychiatry Clin. Neurosci.* **64**:327-329.

³Yang, LP. and Perry, CM. (2010) Zonisamide in Parkinson's disease: profile report. *Drugs & Aging*:**27**:73-75.

is not currently listed in the CDSA and is not structurally similar to any substances included in the Schedules to the CDSA.

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

Date: October 25th 2010