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

Substance: Firocoxib

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 substance is not structurally similar to any of those listed in the CDSA.

Prepared by: _________________________________  Date: February 6th, 2012
Vincent Marleau

Verified by: _________________________________  Date: __________
Mark Kozlowski

Approved by: _________________________________  Date: __________
DIRECTOR, OFFICE OF CONTROLLED SUBSTANCES

This status was requested by: “third party information removed as per agreement with applicant”
Drug Status Report

**Drug**: Firocoxib

**Drug Name Status**: Firocoxib is the common name.

**Chemical Name:**
3-(Cyclopropylmethoxy)-5,5-dimethyl-4-(4-(methylsulfonyl)phenyl)furan-2(5H)-one

**Other names**: 2(5H)-Furanone, 3-(cyclopropylmethoxy)-5,5-dimethyl-4-(4-(methylsulfonyl)phenyl)-; 3-(Cyclopropylmethoxy)-4-(4-methylsulfonyl)phenyl)-5,5-dimethylfuranone; 3-(Cyclopropylmethoxy)-5,5-dimethyl-4-(4-(methylsulfonyl)phenyl)furan-2(5H)-one; Equioxx.

**Chemical structure:**

![Chemical structure diagram]

**Molecular Formula**: C_{17}H_{20}O_{5}S

**Pharmacological class / Application**: Non-steroidal anti-inflammatory

**CAS-RN**: 189954-96-9

**International status**:

US: Firocoxib is not listed in the *US Controlled Substances Act* 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: Firocoxib is not listed in the schedules to the CDSA. The drug is a COX-2 inhibitor and used in veterinary medicine as an analgesic¹. Firocoxib does not display any structural similarities to any of the substances listed in the CDSA.

**Recommendation**: Firocoxib is not included in any of the Schedules to the CDSA and is not

considered a controlled substance.

**Date:** February 6th, 2012.