Health Canada
Santé Canada

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

Substance: Bis-4-cyanophenyl-methanol

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):

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

Prepared by: _____ Date: _____
Vincent Marleau

Verified by: _____ Date: _____
Mark Kozlowski

Approved by: _____ Date: _____
DIRECTOR, OFFICE OF CONTROLLED SUBSTANCES

This status was requested by: Eva Roig, OCS

Drug Status Report

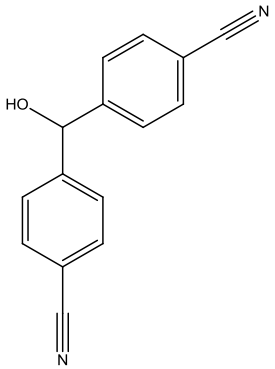
Drug: Bis-4-cyanophenyl-methanol

Drug Name Status: Bis-4-cyanophenyl-methanol is the common name.

Chemical Name: 4,4'-(hydroxymethylene)dibenzonitrile

Other Names: 4-[(4-cyanophenyl)-hydroxymethyl]benzonitrile

Chemical structure:



Molecular Formula: $C_{15}H_{10}N_2O$ **CAS-RN:** 134521-16-7

Pharmacological class / Application: Letrozole metabolite

International status:

US: Bis-4-cyanophenyl-methanol is not listed specifically in the Schedules to 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: Bis-4-cyanophenyl-methanol is not listed in the Schedules to the CDSA. The substance is a metabolite of letrozole, which is listed as a Schedule F drug under the *Food and Drug Regulations.* The substance is not structurally similar to any of those included in the Schedules to the CDSA.

Recommendation: Bis-4-cyanophenyl-methanol is not included in the schedules to the CDSA and is not a controlled substance.

Date: September 18th, 2012.