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

Substance: Compound 20

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

Prepared by: ___________________________  Date: ________________

Zack Li

Verified by: ___________________________  Date: ________________

Mark Kozlowski

Approved by: ___________________________  Date: ________________

DIRECTOR, OFFICE OF CONTROLLED SUBSTANCES

This status was requested by: Blair MacKenzie, Inspectorate
Drug Status Report

Drug: Compound 20

Drug Name Status: Compound 20 is the product name.

Canadian Status: Compound 20 is a supplement marketed by Nutraplanet and sold for body building purposes. The product is claimed to consist of the following ingredients:

Symplocos Racemosa bark
N-coumaroyldopamine
N-caffeoyldopamine

Symplocos Racemosa
*Symplocos Racemosa* is a plant found in the Himalayas and is used in traditional medicine for the treatment of a variety of respiratory and GI symptoms. It is also believed to be a cure for cancers. The substance is not similar to any of those listed in the CDSA.

N-coumaroyldopamine and N-caffeoyldopamine. In studies evaluating their potential use as treatments for heart disease, it was shown that both N-coumaroyldopamine and N-caffeoyldopamine demonstrate β-adrenoceptor agonist activity\(^1\). N-coumaroyldopamine and N-caffeoyldopamine are naturally found in the cocoa plant and are not structurally similar to any substances listed in the CDSA.

\[
\text{Name: } \text{N-(3,4-dihydroxyphenethyl)-3-(4-hydroxyphenyl)acrylamide}
\]
\[
\text{Common Name: } \text{N-coumaroyldopamine}
\]
\[
\text{Molecular Formula: } C_{17}H_{17}NO_4
\]
\[
\text{CAS RN: } N/A
\]

\[
\text{Name: } \text{N-(3,4-dihydroxyphenethyl)-3-(3,4-dihydroxyphenyl)acrylamide}
\]
\[
\text{Common Name: } \text{N-caffeoyldopamine}
\]
\[
\text{Molecular Formula: } C_{17}H_{17}NO_5
\]
\[
\text{CAS RN: } N/A
\]

Recommendation: The ingredients in Compound 20 are not included in the Schedules to the CDSA and are not controlled substances.

Date: June 6th, 2012.