Health Canada
Santé Canada

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

Substance: 2-(2-Ethoxyphenyl)-5-methyl-7-propyl-3H-imidazo[5,1-f][1,2,4]triazin-4-one

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: _____
Evelyn C Soo

Verified by: _____ Date: _____
Mark Kozlowski

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

This status was requested by: Bruno Lafontaine, OCS

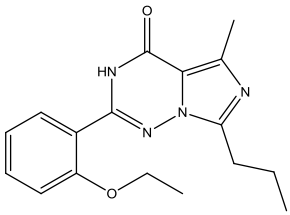
Drug Status Report

Drug: 2-(2-Ethoxyphenyl)-5-methyl-7-propyl-3H-imidazo[5,1-f][1,2,4]triazin-4-one

Drug Name Status: 2-(2-Ethoxyphenyl)-5-methyl-7-propyl-3H-imidazo[5,1-f][1,2,4]triazin-4-one is the common name.

Chemical Name: 2-(2-ethoxyphenyl)-5-methyl-7-propylimidazo[5,1-f][1,2,4]triazin-4(3H)-one

Chemical structure:



Molecular Formula: $C_{17}H_{20}N_4O_2$

Pharmacological class / Application: Pharmaceutical-related substance

CAS-RN: 224789-21-3

International status:

US: 2-(2-Ethoxyphenyl)-5-methyl-7-propyl-3H-imidazo[5,1-f][1,2,4]triazin-4-one 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: 2-(2-Ethoxyphenyl)-5-methyl-7-propyl-3H-imidazo[5,1-f][1,2,4]triazin-4-one is not listed in the Schedules to the CDSA. The substance is an intermediate in the synthesis of vardenafil[i], a drug used for the treatment of male erectile dysfunction, and is not structurally similar to any of the substances included in the schedules to the CDSA.

Recommendation: 2-(2-Ethoxyphenyl)-5-methyl-7-propyl-3H-imidazo[5,1-f][1,2,4]triazin-4-one is not included in the schedules to the CDSA and is not a controlled substance.

Date: October 31st, 2012.

---

[i] Seidel, D et al. (2003) Synthesis of [14C]-labelled vardenafil hydrochloride and metabolites, J. Labelled Compounds and Radiopharmaceuticals, **46**:1019-1032.