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

Substance:  I - 4-Ethyl-N,N-diphenyl-1-naphthalenecarboxamide
II - 4-Ethyl-1-naphthoic acid

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 substances are intermediates in the synthesis of JWH-210 and are not
structurally similar to any of the substances listed in the CDSA.

Prepared by:  
Date:  
Evelyn Soo

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:**
- I - 4-Ethyl-N,N-diphenyl-1-naphthalenecarboxamide
- II - 4-Ethyl-1-naphthoic acid

**Drug Name Status:**
I - 4-Ethyl-N,N-diphenyl-1-naphthalenecarboxamide  
II - 4-Ethyl-1-naphthoic acid are the common names.

**Chemical Name:**
I - 4-Ethyl-N,N-diphenyl-1-naphthalenecarboxamide

**Chemical structure:**

![Chemical structure](image)

**Molecular Formula:**
- I - C\(_{25}\)H\(_{21}\)NO;  
- II - C\(_{13}\)H\(_{12}\)O\(_{2}\)

**CAS-RN:**
- I - 824430-38-8;  
- II - 91902-58-8

**Pharmacological class / Application:** Pharmaceutical-related substances

**International status:**

US: 4-Ethyl-N,N-diphenyl-1-naphthalenecarboxamide and 4-ethyl-1-naphthoic acid are not listed on the schedules to the US Controlled Substances Act and are not mentioned anywhere on the DEA website.

United Nations: The substances are 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: 4-Ethyl-N,N-diphenyl-1-naphthalenecarboxamide and 4-ethyl-1-naphthoic acid are not listed in the schedules to the CDSA. The substances have been claimed to be
intermediates in the synthesis of JWH-210, a synthetic cannabinoid which was reviewed previously and included under item 1 of Schedule II to the CDSA. While JW-210 is a controlled substance, 4-ethyl-N,N-diphenyl-1-naphthalenecarboxamide and 4-ethyl-1-naphthoic acid have not been reported in the scientific literature to be potent cannabinoid receptor agonists, nor are they structurally similar to any of the substances included in the CDSA. Accordingly, 4-ethyl-N,N-diphenyl-1-naphthalenecarboxamide and 4-ethyl-1-naphthoic acid are not considered included in the schedules to the CDSA.

**Recommendation:** 4-Ethyl-N,N-diphenyl-1-naphthalenecarboxamide and 4-ethyl-1-naphthoic acid are not included in the Schedules to the CDSA and are not controlled substances.

**Date:** August 31st, 2011