



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

Substance: 4-(Phenylamino)-1-benzyl-4-piperidinecarbonitrile

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 a starting material in the synthesis of norcarfentanil and does not contain the core structure of the fentanyls and therefore not included under item 16 of Schedule I to the CDSA.

Prepared by: _____
Evelyn C Soo

Date: October 19th 2010

Verified by: _____
Marianne Tang

Date: _____

Approved by: _____
DIRECTOR, OFFICE OF CONTROLLED
SUBSTANCES

Date: _____

This status was requested by: "third party information removed as per agreement with applicant"

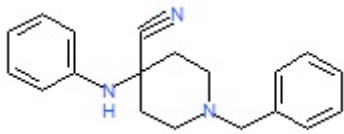
Drug Status Report

Drug: 4-(Phenylamino)-1-benzyl-4-piperidinecarbonitrile

Drug Name Status: 4-(Phenylamino)-1-benzyl-4-piperidinecarbonitrile is the common name.

Chemical Name: 4-Anilino-1-benzylpiperidine-4-carbonitrile

Chemical Structure:



Molecular Formula: C₁₉H₂₁N₃

CAS-RN: 968-86-5

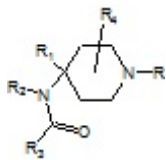
Pharmacological class / Application: Fine chemical

International status:

US: The substance is not listed specifically in the CSA and is not mentioned anywhere on the DEA website.

United Nations: The substances 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: 4-(Phenylamino)-1-benzyl-4-piperidinecarbonitrile is reported to be starting material in the synthesis of norcarfentanil, a metabolite of carfentanil which is currently listed as sub-item 16(3) under Schedule I to the CDSA under the heading "Fentanyl, their salts, derivatives, and analogues and salts of derivatives and analogues, including:". 4-(Phenylamino)-1-benzyl-4-piperidinecarbonitrile is not currently listed in the CDSA and the substance does not contain the common root structure of the fentanyls as shown below:



R=ethyl group substituted variously at the 1 and 2 position
R₁=hydrogen, methoxymethyl or carboxylate alkyl ester
R₂=phenyl or substituted phenyl
R₃=alkyl
R₄=hydrogen or alkyl

Accordingly, 4-(Phenylamino)-1-benzyl-4-piperidinecarbonitrile cannot be included under item 16 of Schedule I to the CDSA.

Recommendation: 4-(Phenylamino)-1-benzyl-4-piperidinecarbonitrile is not included in the schedules to the CDSA and is not a controlled substance.

Date: October 19th 2010