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

Substance: Des-N-(3-furanyl-2-propenamide)-nalfurafine

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 morphinan and must be included under item 10 of Schedule I to the
CDSA.

Prepared by: ___________________________ Date: Dec 8th 2011
Evelyn C 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:** Des-N-(3-furanyl-2-propenamide)-nalfurafine

**Drug Name Status:** Des-N-(3-furanyl-2-propenamide)-nalfurafine is the common name.

**Chemical Name:** (5alpha,6beta)-17-(Cyclopropylmethyl)-4,5-epoxy-6-(methylamino)-morphinan-3,14-diol

**Chemical structure:**

![Chemical structure diagram]

**Molecular Formula:** C_{21}H_{28}N_{2}O_{3}

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

**CAS-RN:** 102869-99-8

**International status:**

US: Des-N-(3-furanyl-2-propenamide)-nalfurafine is not listed in 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: Des-N-(3-furanyl-2-propenamide)-nalfurafine is not listed specifically in the schedules to the CDSA. The substance was reported to be used in the synthesis of novel k-agonist, TRK-820, and as shown above contains the core morphinan structure. It therefore must be included under item 10 of Schedule I to the CDSA under the heading “Morphinans, their salts, derivatives and salts of derivatives including:”

**Recommendation:** Des-N-(3-furanyl-2-propenamide)-nalfurafine is included under item 10 of Schedule I to the CDSA and is a controlled substance.

**Date:** December 8th, 2011