Drug Status Report

**Drug:** Norcarfentanil

**Drug Name Status:** Norcarfentanil is the common name.

**Chemical Name:** Methyl 4-((propionyl)phenylamino)piperidine-4-carboxylate

**Chemical structure:**

![Chemical structure of Norcarfentanil]

**Molecular Formula:** C_{16}H_{22}N_{2}O_{3}  \quad **CAS-RN:** 72996-78-2

**Pharmacological class / Application:** Metabolite of carfentanil

**International status:**

US: Norcarfentanil is not currently listed in the Schedules to the CSA and is not mentioned on the DEA website.

United Nations: The substance is not listed on the Yellow List - List of Narcotic Drugs under International Control nor the Green List - List of Psychotropic Substances under International Control.

Canadian Status: Norcarfentanil is not currently listed in the Schedules to the CDSA. The substance has been reported in the literature to be a metabolite of carfentanil\(^1\), which is currently listed as sub-item 16(3) under Schedule I to the CDSA under the heading “Fentanyls, their salts, derivatives, and analogues and salts of derivatives and analogues, including:” While the substance is a metabolite of carfentanil, it does not contain the common root structure of the fentanyls as shown below:

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Therefore, the substance cannot be included under the heading “Fentanyl, their salts, derivatives, and analogues and salts of derivatives and analogues, including” of item 16 of Schedule I to the CDSA. The review of metabolites of other fentanyls, for example, O-Desmethylnoralfentanil which is a metabolite of alfentanil also excluded the substance from item 16 of Schedule I on the basis that it did not have the core structure of the fentanyls.

Recommendation: Norcarfentanil is not included under item 16(3) of Schedule I to the CDSA and is not a controlled substance.

October 18th 2010