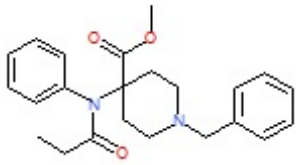
Drug Status Report

Drug: 4-[(1-Oxopropyl)phenylamino]-1-benzyl-4-piperidinecarboxylic acid methyl ester

Drug Name Status: 4-[(1-Oxopropyl)phenylamino]-1-benzyl-4-piperidinecarboxylic acid methyl ester is the common name.

Chemical Name: Methyl 4[N-(1-Oxopropyl)-N-phenylamino]-1-benzyl-4-piperidinecarboxylate

Chemical structure:



Molecular Formula: $C_{23}H_{28}N_2O_3$

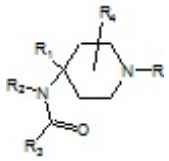
Pharmacological class / Application: Pharmaceutical-related substance

International status:

US: 4-[(1-Oxopropyl)phenylamino]-1-benzyl-4-piperidinecarboxylic acid methyl ester 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: 4-[(1-Oxopropyl)phenylamino]-1-benzyl-4-piperidinecarboxylic acid methyl ester is not currently listed in the Schedules to the CDSA. The substance has been reported to be a derivative of remifentanil and used as a starting material in the synthesis of remifentanil acid, which is controlled under sub-item 16(11.1) in Schedule I to the CDSA. However, 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 postion
R_1=hydrogen, methoxymethyl or carboxylate alkyl ester
R_2=phenyl or substituted phenyl
R_3=alkyl
R_4=hydrogen or alkyl

Specifically, the substance does not contain a substituted ethyl group at the R position. Accordingly, it cannot be included under item 16 of Schedule I to the CDSA.

Recommendation: 4-[(1-Oxopropyl)phenylamino]-1-benzyl-4-piperidinecarboxylic acid methyl

ester not included under item 16 of Schedule I to the CDSA and is not a controlled substance.

October 19th 2010