Drug Status Report

Drug: 1-Benzyl-3-(methoxycarbonyl)-4-piperidone

Drug Name Status: 1-Benzyl-3-(methoxycarbonyl)-4-piperidone is the common name.

Chemical Name: 4-oxo-1-(phenylmethyl)-3-piperidinecarboxylic acid methyl ester

Other Names: Methyl-1-benzyl-4-oxo-3-piperidinecarboxylate; N-benzyl-3-methoxycarbonyl-4-piperidone; N-benzyl-4-oxonipecotic acid methyl ester; nipecotic acid.

Chemical structure:

![Chemical Structure Image]

Molecular Formula: C_{14}H_{17}NO_{3}

CAS-RN: 57611-47-9

Pharmacological class / Application: Pharmaceutical-related substance

International status:

US: 1-Benzyl-3-(methoxycarbonyl)-4-piperidone is not currently listed on the US Controlled Substances Act 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: 1-Benzyl-3-(methoxycarbonyl)-4-piperidone is a starting material used in the synthesis of 3-methylthiofentanyl. The substance is not currently listed in the CDSA and while it does display some structural similarities to the fentanyls, 1-Benzyl-3-(methoxycarbonyl)-4-piperidone does not contain all of the core structural elements of the fentanyls shown below:
Accordingly, 1-Benzyl-3-(methoxycarbonyl)-4-piperidone cannot be included under item 16 of Schedule I to the CDSA.

Recommendation: 1-Benzyl-3-(methoxycarbonyl)-4-piperidone is not included in the Schedules to the CDSA and is not a controlled substance.

July 14th 2010