Drug Status Report

Drug: Thiafentanil

Drug Name Status: Thiafentanil is the common name.

Chemical Name: 1-(2-(2-thienyl)ethyl)-4-methoxycarbonyl-4-(N-phenylmethoxyacetamido)piperdininium oxalate

Other Names: A-4080; Thianil

Chemical structure:

Molecular Formula: C_{22}H_{28}N_{2}O_{4}S

Pharmacological class / Application: opioid agonist

International status:

US: The substance is not listed on 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. The drug is not listed on the Green List - List of Psychotropic Substances under International Control.

Canadian Status: Thiafentanil is an opioid agonist and is used almost exclusively in veterinary medicine and wildlife work for the immobilization of wildlife and large animals¹. The substance contains the root structure common to the fentanyls and is therefore considered to be included under item 16 of Schedule I to the CDSA under the heading “Fentanyls, their salts, derivatives, and analogues and salts of derivatives and analogues, including:.”

Recommendation: Thiafentanil is included under item 16 of Schedule I to the CDSA and is a controlled substance.

April 28th 2010