Drug Status Report

Drug: Dalargin

Drug Name Status: Dalargin is the common name.

Chemical Name: 1-6-β-Neoendorphin, 2-D-alanine

Other Names: Dalargine; 2-D-Alanin-1-6-beta-enoendorphin; Try-$D$-Ala-Gly-Phe-Leu-Arg; DALG

Chemical structure:

![Chemical structure diagram]

Molecular Formula: $C_{35}H_{51}N_{9}O_{8}$

CAS RN: 81733-79-1

Pharmacological class / Application: peptide

US: Dalargin is not currently listed on the schedules to 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, 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: Dalargin is an opioid-like hexapeptide that has been reported display anti-inflammatory activity and offer gastroprotective effects. Although the substance is a μ-opioid agonist and exhibits analgesic activity, the hydrophilic nature of the substance limits its activity when administered systemically and therefore requires coupling to a vector for delivery to the central nervous system. The substance is not structurally similar to any of the substances listed in

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the Schedules to the CDSA.

Recommendation: Dalargin is not included in the schedules CDSA and is not a controlled substance.

July 15th 2010.