Drug Status Report

**Drug:** Vincamine

**Drug Name Status:** Vincamine is the proper name (INN)

**Chemical Name:** $13\alpha$-ethyl-2,3,5,6,12,13,13$\alpha$,13$\beta$-octahydro-12-hydroxy-1H-indolo-[3,2,1-de]pyridol[3,2,1-ij][1,5]napththyridine-12-carboxylic acid methyl ester

**Other Names:** (3$\alpha$,14$\beta$,16$\alpha$)-14,15-Dihydro-14-hydroxyeburnamenine-14-carboxylic acid methyl ester; Eburnamenine-14-carboxylic acid, 14,15-dihydro-14-hydroxy, methyl ester; Angiopac; Arteriovinca; Cetal; Oxygeron.

**Chemical structure:**

![Chemical structure of vincamine](image)

**Molecular Formula:** $C_{21}H_{26}N_2O_3$

**Pharmacological class / Application:** Antihypertensive agent; vasodilator

**International status:**

US: The drug 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: Vincamine is the major indole alkaloid of *Vinca minor* L., and is used as a vasodilator in the treatment of cerebrovascular diseases$^1$. The drug has also been shown to be effective in the treatment of dementia$^2$. Vincamine is not listed specifically in the CDSA and is not structurally similar to any of the substances listed in the Schedules to the CDSA.


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