

Drug Status Report

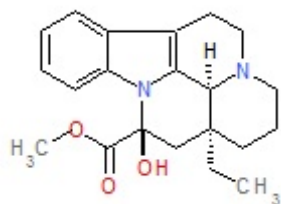
Drug: Vincamine

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

Chemical Name: 13 α -ethyl-2,3,5,6,12,13,13 α ,13 β -octahydro-12-hydroxy-1*H*-indolo-[3,2,1-*de*]pyridol[3,2,1-*ij*][1,5]naphthyridine-12-carboxylic acid methyl ester

Other Names: (3 α ,14 β ,16 α)-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:



Molecular Formula: C₂₁H₂₆N₂O₃

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 diseases¹. The drug has also been shown to be effective in the treatment of dementia². 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.

¹Juan, Y-P. and Tsai, T-H. (2005) Measurement and pharmacokinetics of vincamine in rat blood and brain using microdialysis, *J. Chromatogr. A*. **1088**:146-151.

²Fischhof, PK *et al.* (1996) Therapeutic efficacy of vinamine in dementia, *Neuropsychobiol.* **34**:29-35.

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

January 21st, 2010.