Drug Status Report

Drug: O-1602

Drug Name Status: O-1602 is the common name

Chemical Name:
5-Methyl-4-[(1R,6R)-3-methyl-6-(1-methylethenyl)-2-cyclohexen-1-yl]-1,3-benzenediol

Chemical structure:

Molecular Formula: \( \text{C}_{17}\text{H}_{22}\text{O}_{2} \)

Pharmacological class / Application: potential vasodilator

International status:

US: O-1602 is not currently listed explicitly on the schedules to the US Controlled Substances Act and is not mentioned on the DEA website.

United Nations: The substances are 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: O-1602 is structurally related to cannabidiol (above). Note that the alkyl side chains and one OH group are transposed in O-1602 and cannabidiol. O-1602 is offered for sale by two companies - Tocris\(^ 1\) and Cayman\(^ 2\). Both these sites give references to different research publications implying that O-1602 is a cannabinoid agonist. Neither paper cited mentions O-1602. Rather these two papers discuss “abnormal cannabidiol” the pentyl analogue of O-1602, There is no information currently in the literature to support the claim that O-1602 is active on cannabinoid receptors. Using the CAS# for O-1602, there are no scientific publications in PubMed on O-1602.

\(^1\) http://www.tocris.com/dispprod.php?ItemId=5287

\(^2\) http://www.caymanchem.com/app/template/Product.vm/catalog/10006803/a/z
Recommendation: O-1602 is not included in the schedules to the CDSA and is not a controlled substance.

August 8, 2007
(Revised August 14, 2008)