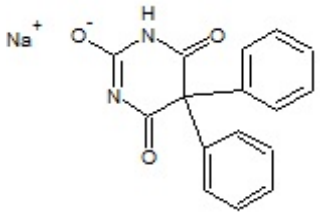
Drug Status Report

Drug: 5,5-Diphenylbarbituric acid, sodium salt (I)
Methoxymethyl-5,5diphenylbarbituric acid, sodium salt (II)

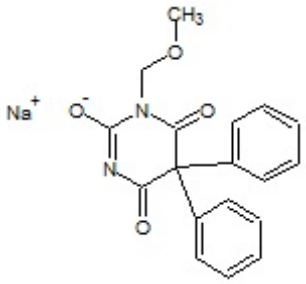
Drug Name Status: 5,5-Diphenylbarbituric acid, sodium salt is the common name
Methoxymethyl-5,5diphenylbarbituric acid, sodium salt is the common name

Chemical Name: (I) 5,5-Diphenyl-2,4,6(1H,3H,5H)-pyrimidinetrione, monosodium salt
(II) 5,5-Diphenyl-1-methoxymethyl-2,4,6(1H,3H,5H)-pyrimidinetrione, monosodium salt

Chemical structure:



I



II

Molecular Formula: (I) $C_{16}H_{11}N_2O_3Na$
(II) $C_{18}H_{15}N_2O_4Na$

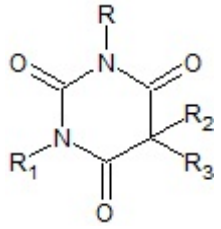
Pharmacological class / Application: (I) and (II) are barbiturates

International status:

US: The chemical is not currently listed on the US Controlled Substances Act and is not mentioned on the DEA website. However, barbituric acid derivatives are included in Schedule III to the CSA which would include (I) and (II).

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: The drug is currently not listed specifically on the CDSA. Item 1 of Schedule IV to the CDSA is, "Barbiturates, their salts and derivatives." The barbiturates listed in item 1 contain the following characteristic root structure:



Where R_1, R_2, R_3, and R_4 are various chemical constituents that differentiate the barbiturates. When R_1, R_2, R_3, and R_4 all equal H, the substance at the left is barbituric acid.

From the structures of (I) and (II) above, it is clear that they are salts of members of the barbiturate family.

Recommendation: 5,5-Diphenylbarbituric acid, sodium salt (I) and methoxymethyl-5,5diphenylbarbituric acid, sodium salt (II) are included in item 1 of Schedule IV to the CDSA and are controlled substances.

January 23, 2007