

Drug Status Report

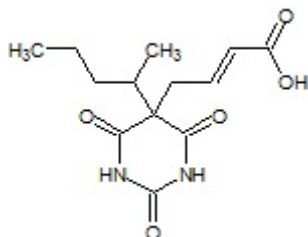
Drug: Carboxyseconal

Drug Name Status: Carboxyseconal is the common name

Other Names: Carboxyseconalbarbital

Chemical Name: 4-[(5-(1-Methylbutyl)-2,4,6-trioxo-(1H,3H,5H)-5-pyrimidinyl)]-2-butenoic acid

Chemical structure:



Molecular Formula: $C_{13}H_{18}N_2O_5$

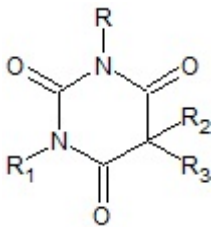
Pharmacological class / Application: barbiturate

International status:

US: The substance 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 carboxyseconalbarbital.

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 substance 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 R₁, R₂, R₃, and R₄ are various chemical constituents that differentiate the barbiturates. When R₁, R₂, R₃, and R₄ all equal H, the substance at the left is barbituric acid.

From the structure of carboxyseconal above, it is clear that it is a member of the barbiturate family.

Recommendation: Carboxyseconal is included in item 1 of Schedule IV to the CDSA and is a controlled substance.

February 22, 2007