

Drug Status Report

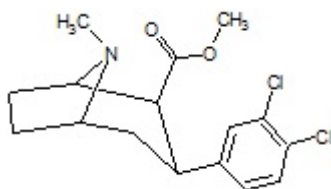
Drug: 2b-Carbomethoxy-3b-(3,4-dichlorophenyl)tropane

Drug Name Status: 2b-Carbomethoxy-3b-(3,4-dichlorophenyl)tropane is the common name

Other Names: Dichloropane

Chemical Name: 1R-(exo,exo)-3-(3,4-dichlorophenyl)-8-azabicyclo(3.2.1)octane-2-carboxylic acid methyl ester

Chemical structure:



Molecular Formula: $C_{16}H_{19}Cl_2NO_2$

Pharmacological class / Application: imaging aid

International status:

US: The substance is not currently listed on the US Controlled Substances Act 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 nor the Green List - List of Psychotropic Substances under International Control.

Canadian Status: 2b-Carbomethoxy-3b-(3,4-dichlorophenyl)tropane is not currently listed on the schedules to the CDSA. It has a tropane base structure as does cocaine but it is not a coca related substance. Similar substances have been previously reviewed, including NC 100697 and several others in the status report titled, "Tropane related substances" which is appended for information.

Recommendation: 2b-Carbomethoxy-3b-(3,4-dichlorophenyl)tropane is not included in the schedules to the CDSA and is not a controlled substance.

June 25, 2008

Drug Status Report

Drug: Tropane related substances

2b-Carbomethoxy-3b-(4-fluorophenyl)-N-allyl nortropane (I)

2b-Carbomethoxy-3b-(4-fluorophenyl)-N-(3-iodo-E-allyl) nortropane (II)

2b-Carbomethoxy-3b-(4-fluorophenyl)-N-(3-tributyltin-E-allyl) nortropane (III)

Drug Name Status: The above names are common names.

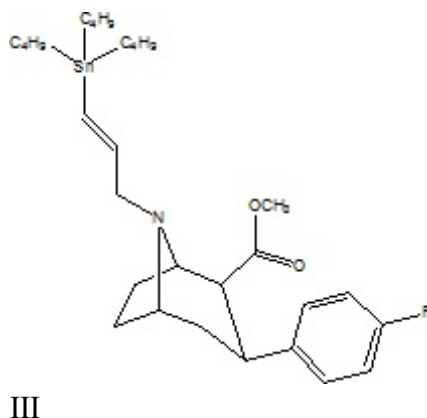
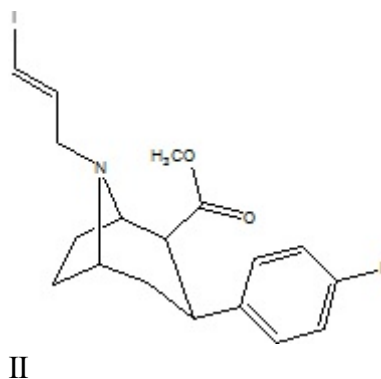
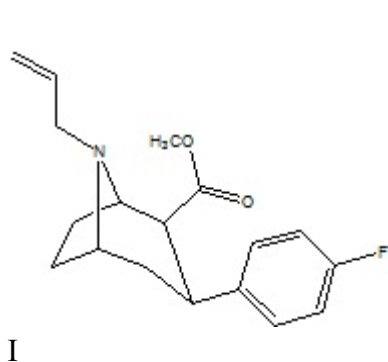
Chemical Name: (I) 3-(4-Fluorophenyl)-8-[2-propenyl]-8-azabicyclo[3.2.1]octane-2-carboxylic acid methyl ester

(II) 3-(4-Fluorophenyl)-8-[(2E)-3-(iodo-2-propenyl)]-8-azabicyclo[3.2.1]octane-2-carboxylic acid methyl ester

(III)

3-(4-Fluorophenyl)-8-[(2E)-3-(tributyltin-2-propenyl)]-8-azabicyclo[3.2.1]octane-2-carboxylic acid methyl ester

Chemical structure:



Molecular Formula: (I) $C_{18}H_{22}FNO_2$

(II) $C_{18}H_{21}FNO_2$

(III) $C_3H_5FNO_2Sn$

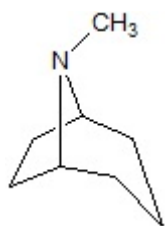
Pharmacological class / Application: dopamine transporter ligand

International status:

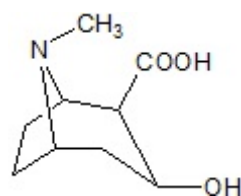
US: The chemicals are not currently listed on the US Controlled Substances Act and are not mentioned on the DEA website.

United Nations: The chemicals are not listed on the Yellow List - List of Narcotic Drugs under International Control nor on the Green List - List of Psychotropic Substances under International Control.

Canadian Status: The chemicals are currently not listed specifically on the CDSA. The chemicals have been referred to as cocaine analogues probably because they share a tropane core structure with cocaine. The structures of tropane and ecgonine, the root structure of coca alkaloids, are shown below.



Tropane



Ecgonine

Item I (2) of the Schedule to the CDSA is: “Coca (Erythroxylo), its preparations, derivatives, alkaloids and salts, including:

I.2.(1) Coca leaves

I.2.(2) Cocaine (Benzoylmethylecgonine)

I.2.(3) Ecgonine (3-Hydroxy-2-tropane carboxylic acid)”.

The substances I, II and III are not derivatives of ecgonine.

A decision was made in May, 2003 that other similar substances in this class were also not controlled substances.

Recommendation: Based on the information available, substances I, II and III are not included in the schedules to the CDSA and are not controlled substances.

January 17, 2006