Drug Status Report

Drug: 2-(Diphenylhydroxymethyl)pyrrolidine

Drug Name Status: 2-(Diphenylhydroxymethyl)pyrrolidine is the common name.

Chemical Name: Diphenyl-2-pyrrolidinemethanol

Other Names: Diphenylprolinol; D2PM

Chemical structure:

![Chemical structure of 2-(Diphenylhydroxymethyl)pyrrolidine]

Molecular Formula: C$_{17}$H$_{19}$NO

Pharmacological class / Application: Fine Chemical

International status:
US: The substance 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: 2-(Diphenylhydroxymethyl)pyrrolidine is a chiral amine and is a commonly encountered in medicinal chemistry as an intermediate or final product in enantioselective synthesis reactions$^{1}$. The substance is structurally similar to pipradrol but is not included under item 7 of Schedule IV to the CDSA as it is not a salt of pipradrol.

The recreational use of 2-(diphenylhydroxymethyl)pyrrolidine has been reported in the scientific literature and both enantiomers of the substance is believed to display activity at the cocaine binding

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site on the dopamine transporter protein\textsuperscript{2}. However, the substance cannot be included in any of the Schedules to the CDSA.

Recommendation: 2-(Diphenylhydroxymethyl)pyrrolidine is not included in the schedules to the CDSA and is not considered a controlled substance.

May 25\textsuperscript{th} 2010