Health Canada
Santé Canada

STATUS DECISION OF CONTROLLED AND NON-CONTROLLED SUBSTANCE(S)

Substance: N-4-Boc-2-piperazineacetic acid methyl ester

Based on the current information available to the Office of Controlled Substances, it appears that the above substance is:

Controlled	☐
Not Controlled	✓

under the schedules of the *Controlled Drugs and Substances Act* (CDSA) for the following reason(s):

- The substance is not structurally similar to any of those listed in the CDSA.

Prepared by: _____ Date: _____
Vincent Marleau

Verified by: _____ Date: _____
Mark Kozlowski

Approved by: _____ Date: _____
DIRECTOR, OFFICE OF CONTROLLED SUBSTANCES

This status was requested by: Bruno Lafontaine, OCS

Drug Status Report

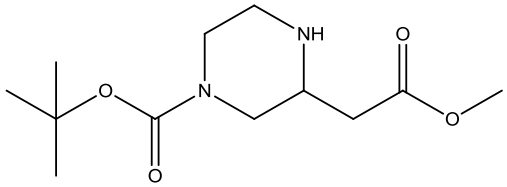
Drug: N-4-Boc-2-piperazineacetic acid methyl ester

Drug Name Status: N-4-Boc-2-piperazineacetic acid methyl ester is the common name.

Chemical Name: N-4-Boc-2-piperazineacetic acid methyl ester

Other Names: 3-Methoxycarbonylmethyl-piperazine-1-carboxylic acid tert-butyl ester; Methyl 4-Boc-piperazine-2-acetate; Methyl piperazin-2-ylacetate, N4-Boc protected; N-4-Boc-2-piperizineaceticacid methyl ester; tert-Butyl 3-(2-methoxy-2-oxoethyl)piperazine-1-carboxylate.

Chemical structure:



Molecular Formula: $C_{12}H_{22}N_2O_4$

Pharmacological class / Application: Fine chemical
CAS-RN: 183742-33-8

International status:

US: N-4-Boc-2-piperazineacetic acid methyl ester is not listed specifically in the Schedules to the US *Controlled Substances Act* and is not mentioned anywhere on the DEA website.

United Nations: The substance is not listed on the Yellow List - List of Narcotic Drugs under International Control, the Green List - List of Psychotropic Substances under International Control, nor the Red List - List of Precursors and Chemicals Frequently Used in the Illicit Manufacture of Narcotic Drugs and Psychotropic Substances under International Control.

Canadian Status: N-4-Boc-2-piperazineacetic acid methyl ester is not listed in the Schedules to the CDSA. This substance is not similar in structure to any of those listed in the CDSA.

Recommendation: N-4-Boc-2-piperazineacetic acid methyl ester is not included in the schedules to the CDSA and is not a controlled substance.

Date: October 23rd, 2012.