Drug Status Report

**Drug:** Methylnaphthidate

**Drug Name Status:** HDMP-28 is the common name.

**Chemical Name:** (αR,2R)-α-(2-naphthalenyl)-2-piperidineacetic acid methyl ester

**Other Names:** Methyl(2R)-2-naphthyl[(2R)-piperidin-2-yl] acetate

**Chemical structure:**

![chemical structure image]

**Molecular Formula:** C_{18}H_{21}N_{2}O_{2}

**CAS-RN:** 664303-55-3

**Pharmacological class / Application:** Stimulant

**International status:**

US: The substances is not currently listed on the schedules to 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: Methylnaphthidate is not listed specifically in the CDSA. The substance is a structural analogue of methylphenidate, and pharmacologically, the substance displays nonselective affinity for the dopamine and 5-hydroxytryptamine transporters and is a potent reinforcer.\(^1\)

Methylphenidate is currently listed as item 2 under Schedule III to the CDSA, under the heading “Methylphenidate (a-phenyl-2-piperidine acetic acid methyl ester) and any salt thereof”.

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Although methylnaphthidate is a structural analogue of methylphenidate and a potent psychostimulant, the substance is not a salt of methylphenidate and therefore cannot be included under item 2 of Schedule III to the CDSA.

Recommendation: Methylnaphthidate is included not under item 2 of Schedule III to the CDSA and is not a controlled substance.

July 9th 2010.