

## Drug Status Report

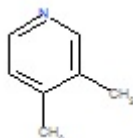
**Drug:** 3,4-dimethylpyridine

**Drug Name Status:** 3,4-dimethylpyridine is the common name

**Chemical Name:** 3,4-dimethylpyridine

**Other Names:** 3,4-lutidine

**Chemical structure:**



**Molecular Formula:** C<sub>7</sub>H<sub>9</sub>N

**CAS-RN:** 583-58-4

**Pharmacological/chemical class / Application:** fine chemical

**International status:**

US: The substance is not 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, 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: 3,4-dimethylpyridine is a starting material used in the synthesis of pentazocine and is also used in organic chemistry reactions for the synthesis of crystal structures<sup>1</sup>. The substance is not structurally similar to any of those listed in the Schedules to the CDSA.

Recommendation: 3,4-dimethylpyridine is not included in the schedules to the CDSA and is not a controlled substance.

July 9<sup>th</sup> 2010

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<sup>1</sup>Mautner, FA. and Goher, MAS. (1994) Spectroscopic and crystal structure study of polymeric 2:3 and 1:1 complexes of 2,6-lutidine and 3,4-lutidine with copper(II) azide; Cu<sub>3</sub>(2,6-lutidine)<sub>2</sub>(N<sub>3</sub>)<sub>6</sub> and Cu(3,4-lutidine)(N<sub>3</sub>)<sub>2</sub>, Polyhedron, **13**:2141-2147.