

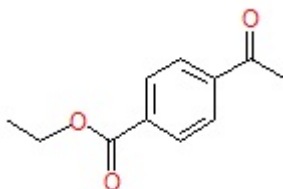
## Drug Status Report

**Drug:** Ethyl 4-acetylbenzoate

**Chemical Name:** Ethyl 4-acetylbenzoate is the chemical name

**Other names:** Benzoic acid, 4-acetyl-, ethyl ester; 4-acetylbenzoic acid, ethyl ester

**Chemical structure:**



**Molecular Formula:** C<sub>11</sub>H<sub>12</sub>O<sub>3</sub>

**Pharmacological class / Application:** fine chemical

**International status:**

US: Ethyl 4-acetylbenzoate is not listed on the schedules to the CSA and is not mentioned on the DEA website.

United Nations: Ethyl 4-acetylbenzoate 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: Ethyl 4-acetylbenzoate is a chemical reagent and is used in organic synthesis such as in the Wittig reaction<sup>1,2,3</sup>. It is not listed specifically in the CDSA and is not similar to any of the substances listed on the CDSA.

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<sup>1</sup>Gangjee, A et al. (2000) Effect of C9-methyl substitution and C8-C9 conformational restriction on antifolate and antitumor activity of classical 5-substituted 2,4-diaminofuro[2,3-d]pyrimidines. *J. Med. Chem.* **43**: 3125-3133.

<sup>2</sup>Klupsch F et al. (2006) Major metabolites of zolpidem:expeditious synthesis and mass spectra. *Chem. Pharm. Bull.* **56**:1318-1321.

<sup>3</sup>Lehmann J et al. (1991) Identification of retinoids with nuclear receptor subtype-selective activities 1. *Cancer Res.* **51**: 4804-4809.

Recommendation: Ethyl 4-acetylbenzoate is not included in any of the Schedules to the CDSA and is not considered to be a controlled substance nor a precursor.

December 15, 2009