



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

Substance: Ethyl 2-phenylacrylate

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

- Controlled []
Not Controlled [x]

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

- The substance is not listed specifically in the CDSA and is not structurally similar to any of the substances listed in the Schedules to the CDSA.

Prepared by: Victoria-Magali Zelaya Date: 2010-08-09

Verified by: Marianne Tang Date:

Approved by: DIRECTOR, OFFICE OF CONTROLLED SUBSTANCES Date:

This status was requested by: "third party information removed as per agreement with applicant"

Drug Status Report

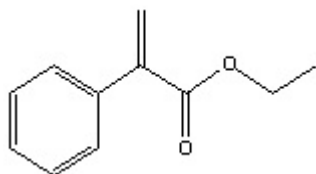
Drug: Ethyl 2-phenylacrylate

Drug Name Status: Ethyl 2-phenylacrylate is the chemical name.

Chemical Name: Ethyl 2-phenylacrylate

Other Names: Ethyl 2-phenylpropenoate; Ethyl methylenephanylacetate; Atropic acid ethyl ester; 2-phenylacrylic acid ethyl ester; Ethyl atropate;

Chemical structure:



Molecular Formula: C₁₁H₁₂O₂

Pharmacological class / Application: Fine Chemical

CAS-RN: 22286-82-4

International status:

US: The substance is not listed specifically in the CSA 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 nor the Green List - List of Psychotropic Substances under International Control.

Canadian Status: Ethyl 2-phenylacrylate is a derivative of 2-phenylacrylate and these derivatives are precursors used for the synthesis of biologically active compounds¹. It is claimed to be a starting material in the synthesis of tilidine, deuterated tilidine and deuterated nortilidine. The substance is not listed specifically in the CDSA and is not structurally similar to any of the substances included in the Schedules to the CDSA.

¹Berthiol, F. *et al.* (2003), Synthesis of Polysubstituted Alkenes by Heck Vinylation or Suzuki Cross-Coupling Reactions in the Presence of a Tetrakisphosphene-Palladium Catalyst, *Eur. J. Org. Chem.*, 6, pp.1091-1096

Recommendation: The substance is not included in the schedules to the CDSA and is not a controlled substance.

Date: August 9th 2010