

Drug Status Report

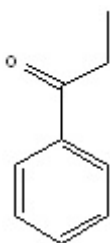
Drug: I - Propiophenone
II - 2-Bromopropiophenone

Drug Name Status: I - Propiophenone
II - 2-Bromopropiophenone are common names.

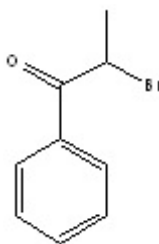
Chemical Name: I - 1-Phenyl-1-propanone
II - 2-bromo-1-phenyl-1-propanone

Other Names:
I - Phenyl ethyl ketone; Phenetol; Propionylbenzene
II - 2-bromo-propiofenone; alpha-Bromopropiophenone; 1-Bromoethyl phenyl ketone; 1-Benzoyl-1-bromoethane

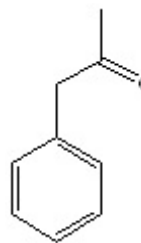
Chemical structure:



I



II



1-phenyl-2-propanone

Molecular Formula: I- C₉H₁₀O; II- C₉H₉BrO

CAS RN: I - 93-55-0; II - 2114-00-3

Pharmacological class / Application: fine chemical

International status:

US: The substance is not currently 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 nor the Green List - List of Psychotropic Substances under International Control.

Canadian Status: Propiophenone and 2-bromopropiophenone are reagents used in organic synthesis reactions and have also been used as intermediates in the synthesis of pharmaceuticals

such as propoxyphene and lavendamycin¹. The substance is structurally similar to 1-phenyl-2-propanone, which is currently listed as item 11 of Schedule VI to the CDSA and considered a Class A precursor. However, propiophenone and 2-bromopropiophenone are not included under item 11 of Schedule VI to the CDSA.

Recommendation: Propiophenone and 2-bromopropiophenone is not included in any of the schedules to the CDSA and is not a controlled substance.

August 4th 2010

¹Boger DL. et al. (1985) Total synthesis of lavendamycin methyl ester, *J. Org. Chem.* **50**:5790-5795.