Drug Status Report

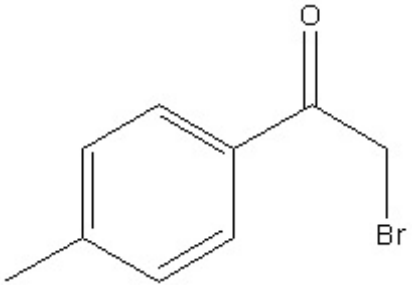
Drug Name: 2-bromo-4'-methylacetophenone

Drug Name Status: 2-bromo-4'-methylacetophenone

Chemical Name: 2-bromo-4'-methylacetophenone

Other Names: 2-bromo-p-methylacetophenone; alpha-Bromo-4-methylacetophenone; alpha-Bromo-p-methylacetophenone; p-Methylphenacyl bromide; 4-Methylphenacyl bromide; 2-bromo-4-methylacetophenone; 2-Bromo-1-(4-methylphenyl)ethan-1-one

Chemical structure:



Molecular Formula: C_9H_9BrO

CAS-RN: 619-41-0

Pharmacological class / Application: Fine Chemicals

International status:

US: 2-bromo-4'-methylacetophenone is not listed on the schedules to the CSA and is not mentioned on the DEA website.

United Nations: 2-bromo-4'-methylacetophenone is not listed on the Yellow List - List of Narcotic Drugs under International Control. The drug is not listed on the Green List - List of Psychotropic Substances under International Control.

Canadian Status: 2-bromo-4'-methylacetophenone is not listed specifically in the CDSA. The substance is commonly used in organic synthesis reactions, including its use in the synthesis of

pharmaceutical compounds[1]. The substance is also an intermediate in the synthesis of zolpidem and its derivatives. 2-bromo-4'-methylacetphenone is not similar in structure to any of the substances included in the Schedules to the CDSA.

Recommendation: 2-bromo-4'-methylacetphenone is not included in the Schedules to the CDSA and is not a controlled substance.

August 3rd, 2010

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[1]Hedberg, C and Andersson, PG. (2005) Catalytic asymmetric total synthesis of the muscarinic receptor antagonist (R)-tolterodine, Advanced Synthesis & Catalysis, **347**: 662-666.