



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

Substance: 1-[1-(1-benzothiophen-2-yl)cyclohexyl]piperidine

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

Controlled
Not Controlled

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

- The substance is a derivative and structural analogue of phencyclidine and therefore captured under item 14 of Schedule I to the CDSA.

Prepared by: _____ Date: Jan 26th 2011
Evelyn Soo

Verified by: _____ Date: _____
Marianne Tang

Approved by: _____ Date: _____
DIRECTOR, OFFICE OF CONTROLLED SUBSTANCES

This status was requested by:

“third party information removed as per agreement with applicant”

Drug Status Report

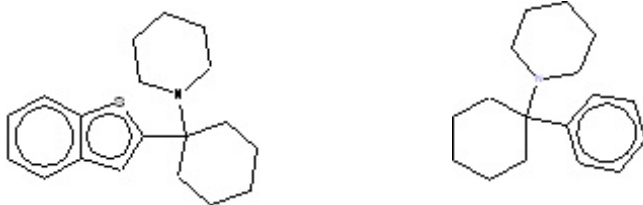
Drug: 1-[1-(1-benzothiophen-2-yl)cyclohexyl]piperidine

Drug Name Status: Benocyclidine is the common name.

Chemical Name: 1-[1-(1-benzothiophen-2-yl)cyclohexyl]piperidine

Other Names: GK 13; 1-(1-(2-benzo(b)thienyl)cyclohexyl)piperidine; 1-(1-(1-benzo(b)thienyl)cyclohexyl)piperidine; 1-Btcp; BTCP; GK-13; N-(1-(2-benzo(b)thienyl)cyclohexyl)piperidine

Chemical structure:



phencyclidine

Molecular Formula: C₁₉H₂₅NS

Pharmacological class / Application: Dopamine reuptake inhibitor

CAS-RN: 112726-66-6

International status:

US: 1-[1-(1-benzothiophen-2-yl)cyclohexyl]piperidine is not listed specifically in the Schedules to the US *Controlled Substances Act* and is not mentioned anywhere on the DEA website.

United Nations: The substance is not listed specifically on the Yellow List - List of Narcotic Drugs under International Control nor the Green List - List of Psychotropic Substances under International Control.

Canadian Status: 1-[1-(1-benzothiophen-2-yl)cyclohexyl]piperidine is not listed specifically in the CDSA. However, the substance has been reported in the literature to be a derivative of

phencyclidine whereby the phenyl ring is replaced by a benzothiophenyl ring¹, and reported to display discriminative stimulus effects similar to that of cocaine². The substance may also be considered a structural analogue of phencyclidine for the purpose of forming status decisions. Phencyclidine (1-(1-phenylcyclohexyl)piperidine), its salts, derivatives and analogues and salts of derivatives and analogues including:” is currently listed as item 14 in Schedule I to the CDSA. Given that the substance is a derivative of phencyclidine, it must be included under item 14 of Schedule I to the CDSA.

Recommendation: 1-[1-(1-benzothiophen-2-yl)cyclohexyl]piperidine is included under item 14 of Schedule I to the CDSA and is a controlled substance.

Date: 26th January 2011

¹Duterte-Boucher, D. et al. (1990) Comparison of the effects of three indirect dopamine agonists, GK 13, GBR 12783 and dexamphetamine on behavioural tests involving central catecholaminergic transmissions, *Psychopharmacol.* **101**:344-353.

²Kleven, MS *et al.* (1999) Pharmacological characterization of the discriminative stimulus properties of the phencyclidine analog, N-[1-(2-benzo(b)thiophehenyl)-cyclohexyl]piperidine. *Psychopharmacol.* **145**:370-377.