FACT SHEET

25B-NBOMe

June 2015

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A. General information

Created
June 2015

Updated

Type
Psychotropic substances

Group
Phenethylamines

Name
25B-NBOMe

Nature of substance
25B-NBOMe is a derivative of the phenethylamine hallucinogen 2C-B. 25B-NBOMe acts as a potent partial agonist for the human 5-HT2A receptor.

Systematic chemical name
2-(4-bromo-2,5-dimethoxyphenyl)-N-(2-methoxybenzyl)ethanamine

Other names
2C-B-NBOMe, NBOMe-2C-B, Cimbi-36

B. Alerts

Alerts
No alerts

Reports to EMCDDA

Cyprus: On 3 February 2015 the Cyprus FP reported a seizure of 1 ½ blotter (0.8x0.8 cm) seized on 19/09/2014 by the Police at Nicosia. Containing 25I-NBOMe, 25B-NBOMe, 25N-NBOMe, 25H-NBOMe. Identification based on GC-MS analysis compared to mass spectrum of SWG DRUG library.

Italy: On 16 June 2014 the Italian FP reported 2 seizures:
- the molecule was identified in a powder (net weight 0.099 grams), by Laboratory of Forensic Toxicology and Environmental Health - Department of Prevention - ULSS12 of Venezia (LIATF) on November 2013
- the molecule was identified in 2 blotters (total net weight 0.101 grams), by Laboratory Analysis Narcotic Substance (L.A.S.S.) Carabinieri of Sacile on April 2014.
**Croatia:** On 17 March 2014 the Croatian FP reported a seizure of two 8x8 mm blotters seized by the police on 22/01/2014. Containing 25B-NBOMe and 25C-NBOMe, in 1:1 proportion.

**France:** On 4 February 2014 the French FP reported a seizure of 22 g white powder seized on 03/01/2013 by the Customs at Roissy airport (express freight) in a parcel from China to France.

**Latvia:** On 30 October 2013 the Latvian FP reported a seizure of a small impregnated paper fragment seized on 15/07/2013 by the police at Valmiera. Containing 25H-NBOMe and 25B-NBOMe. Traces (micro particles) of both substances were identified in Valmiera prison during incoming mail check. Small impregnated paper fragment was hidden under decorative sticker on greeting card addressed to one of the prisoners. Study was completed in October 2, 2013 by using GC/MS library data.

**Hungary:** On 22 October 2013 the Hungarian FP reported a seizure of 1 blotter seized by the police in August 2013 at (Ozora Festival) Sárögárd. Containing 25B-NBOMe and 25C-NBOMe, in 1:1 proportion.

**Switzerland:** On 8 October 2013 the CHUV centre hospitalier universitaire vaudois, Lausanne, Switzerland informed that they had a death case involving 25B-NBOMe. It was a 20 year old male without any actual treatment but known for some psychic problems. No pathological findings during autopsy. The deceased had been followed for many years for psychotic disorders, schizophrenia, personality disorders with significant communication difficulties. Self-harm and signs of old scars as well as consumption of cannabis had also been reported. Psychiatric treatment was interrupted a few months before his death. At time of death, the deceased was not under treatment. A pump spray containing 10 mL of a limpid odorless liquid was found in a pocket of his jeans which was identified as 25B-NBOMe by GC-MS, FTIR and NMR techniques. Besides 25B-NBOMe, we found THC and amphetamine in blood in concentrations indicating a recent cannabis and Speed consumption without being clearly responsible for the death.

**Austria:** On 19 September 2013 the Austrian FP reported a collected sample of one blotter, sold as LSD containing 25B-NBOMe, amphetamine (3 mg/g), unknown substance, MDMA (traces). Analysed by checkit on 24/08/2013 at a nightclub in Vienna.

**Latvia:** On 5 August 2013 the Latvian FP reported a seizure of 19 impregnated paper fragments seized on 12/07/2013 by the police at Riga.

**United Kingdom:** On 4 July 2013 the UK NFP reported a sample A clear plastic bag labelled 25B-NBOMe inside which was 1 tab with “Felix the Cat” design. Test Purchase sample for FEWS project in March 2013. Analyses carried out by FEWS team and structural assignments were supported by MS and NMR and Accurate mass LC-MS.

**Germany:** On 11 June 2013 the German NFP reported a seizure of 2700 trips (blotters) with theme “Bycicle Day Celebration” and 561 trips (blotters) with theme “shiva”, seized in April 2013 by the police.
Spain: On 12 February 2013 the Spanish NFP reported a seizure of 15 blotter A4 paper (mountain biker) with a total of 7500 doses, seized on 12/09/2012 by the National police at Madrid.

Denmark: On 11 February 2013 the NFP reported a seizure of 5.1g powder seized on 15/01/2013 by the Danish Customs at Copenhagen.

Sweden: On 5 December 2012 the Swedish NFP reported a seizure of 150 trips (perforated paper) seized on 24/10/2012 by the Police at Stockholm.

C. Pictures

From the Belgian analysis, March 2015

D. Clinical information

Usage
Reported routes of administration for 25B-NBOMe include sublingual (especially “blotter” paper), buccal, nasal (insufflation and absorption of liquid solutions), oral, injection (intravenous and intramuscular), rectal and smoking. Information from case reports and user websites suggest a range of doses are used that may depend on the route of administration. Example doses reported on the Erowid user website include: ‘400 µg, sublingual’; ‘1250 µg, insufflated liquid’; ‘1250 µg, sublingual’; ‘500 µg, buccal’; ‘400 µg in liquid ethanol, vapourised’; (Erowid).

Information from user websites suggest that 25B-NBOMe may be used on its own as well as in combination with other new psychoactive substances and/or controlled drugs (Erowid, Blue Light Forum, Drug Forum).

Health risks
User reports from Erowid described the following subjective effects of self-reported 25B-NBOMe: “Positive” (including; strong open and closed eye visuals, mood lift, euphoria, empathy, mental and physical stimulation), “Neutral” (including; general
change in consciousness, Change in perception of time, time dilation, sleepiness) and “Negative” (including; confusion, nausea and vomiting, paranoia, unwanted and overwhelming feelings).

Adverse effects reported in a single non-fatal case report included; tachycardia, hypertension, seizures, hyperpyrexia (Poklis et al. 2013). In a fatality reported by Soh and Elliott (2013), the deceased was reported to have vomited before becoming unconscious (Elliott 2014).

**E. Legal status**

Non-controlled

**F. References**


Wood D., Sedefov R., Cunningham A. and Dargan P., Prevalence of use and acute toxicity associated with the use of NBOMe drugs, Clinical Toxicology (2015), 53, 85–92, DOI: 10.3109/15563650.2015.1004179
G. Chemistry

Systematic chemical name

Other names

Other chemical names and variants

Chemical Abstracts Service (CAS) registry number

Molecular information

Molecular structure:

\[
\text{Molecular formula: } C_{18}H_{22}BrNO_3
\]

Molecular weight: 380.27 g/mol

Identification and analytical profile can be found at the end of this document.
25B-NBOMe.zip
Kindly provided by Folker Westphal, Germany
LKA Nordrhein Westfalen

Analysis Info
Analysis Name D:\Data\THK\LSD\130517513-05018-11a_5_01_10726.d
Method lsq_msms_hplc.m
Sample Name 513-05018-11a
Bemerkung

Acquisition Datum 5/17/2013 10:37:35 AM
Operator plaesser
Instrument micrOTOF-Q

Bruker Compass DataAnalysis 4.0
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