FACT SHEET

MDMB-CHMICA

April 2015

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A. General information

**Created**
April 2015

**Updated**

**Type**
Psychotropic substances

**Group**
Synthetic cannabinoid

**Name**
MDMB-CHMICA

**Nature of substance**
MDMB-CHMICA is a synthetic cannabinoid receptor agonist which is structurally similar to ADBICA and to ADB-CHMICA.

**Systematic chemical name**
methyl-2-(1-(cyclohexylmethyl)-1H-indol-3-ylcarbonylamino)-3,3-dimethylbutanoate

**Other names**
MMB-CHMINACA

B. Alerts

**Alerts**
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**Reports to EMCDDA**
MDMB-CHMICA was originally detected in Hungary. Since then, MDMB-CHMICA has several times been detected:

**France:** On 7 April 2015 the French FP reported a seizure of 1g green herbal material seized on 12/03/2015 by the Police at Annecy. The seizure was made at the home of a young girl (15 years old) who resold bags bought on the internet to get some money. There was also bags of AB-FUBINACA. Few cases of adverse effects in the same area and doubtless linked to this seizure were observed. Young students (between 15 and 18 years old) have been hospitalised because of nausea, hypotension and fainting but not known if it is MDMB-CHMICA or AB-FUBINACA which was involved. MDMB-CHMICA was suspected because of similar cases in other European countries.

**Germany:** On 24 March 2015 the German FP reported a seizure of herbal mixture
called “Cloud 9 Mad Hatter incences” seized in November 2014 by the Lower Saxony Criminal Police Office. The FP also informed that there were 4 intoxications reported to the BKA, one of them fatal. Concerning the fatal intoxication the cause of death was suffocation after aspiration of gastric contents under ethanol intoxication. MDMB-CHMICA was detected. Concerning the remaining 3 intoxications, the herbal mixtures “Cloud 9 Mad Hatter” (2 cases) and “Phantom” (1 case) were used.

Croatia: On 18 March 2015 the Croatian FP reported a seizure of blue plastic zip bag labelled as “RAINBOW SPECIAL; Althea officinalis” containing 0.80g of herbal mixture, seized on 27/02/2015 by a sanitary inspection during check a smart shop in Zagreb.

United Kingdom: On 3 March 2015 the UK focal point reported a sample of white powder collected by WEDINOS on 26/09/2014 in Bristol.

Denmark: On 26 February 2015 the Danish FP reported a seizure of 3.1 g plant material seized on 14th December 2014 by Danish Customs at Copenhagen International Post office.

United Kingdom: On 18 December 2014 the UK Focal Point reported a sample of white tablet collected and analysed by TICTAC Communications in October 2014. Structure conformed by GC-MS, LC-MS/MS, LC-HRMS.

Luxembourg: On 15 December 2014 the Luxembourg FP reported a seizure of 40 kg white powder packed in 1 kg packages, seized in December 2014 by the Customs at Luxembourg Airport (Cargo). The product was on transit: the origin of the 2 barrels was China (Shanghai) and the destination was Spain (Madrid).

Romania: On 7 November 2014 the Romanian FP reported a seizure of 0.20g white powder seized on 31.10.2014 by the Police at Oradea. Containing also 5F-AMB.

Sweden: On 4 November 2014 the Swedish FP reported a seizure of 2.03 g white powder seized on 07/10/2014 by the Police at Umeå. The substance was identified by the Swedish National Laboratory of Forensic Science (SKL) using GC-MS, GC-IRD and NMR.

Hungary: On 11 September 2014 the Hungarian FP reported a seizure of 0.19g of green/brown herbal product in Ács in August 2014. The seizure was undertaken by Hungarian Police and the identification of the substance was based on GC-MS, FT-IR and NMR analysis.
C. Pictures

D. Clinical information

Usage

Health risks
Assumed: disorientation, motor disturbances, nausea, vomiting, hypotension, fainting

The details provided below for the cases and seizures must not be made public and should be restricted to relevant members of the EWS network; these include toxicology services, poison information services, healthcare professionals, law enforcement and policy makers.

Reported case details by the German Focal Point (EMCDDA Alert 25/04/2015):

Case 1. Death: The cause of death was reported as 'suffocation after aspiration of gastric contents under ethanol intoxication'. The product ‘AK47 Loaded’ was found at the scene and found to contain MDMB-CHMICA on analysis. Cannabis and alcohol were also found at the scene.

Case 2. Non-fatal intoxication: Patient had a 'cramping seizure; was unable to respond, had a tremor and made a squeaking sound'. The product 'Manga Hot' was found on the patient and found to contain MDMB-CHMICA on analysis.

Case 3. Non-fatal intoxication: Patient experienced 'permanent vomiting, hardly able to respond and very delayed responding, severe motor impairment and slurred speech'. Three packages of the product ‘Cloud 9-second generation-Mad Hatters-incense’ and cannabis were found at the scene. Analysis identified MDMB-CHMICA in the ‘Cloud 9-second generation-Mad Hatters-incense’. Case 3 is linked to Case 4.

Case 4. Non-fatal intoxication: Patient experienced 'permanent vomiting, crying alternately with singing, unable to get up'. Three packages of the product ‘Cloud 9-second generation-Mad Hatters-incense’ and cannabis were found at the scene. Analysis identified MDMB-CHMICA in the ‘Cloud 9-second generation-Mad Hatters-incense’. Case 4 is linked to Case 3.
Case 5. Death: A smoking device and an open package of the product 'black diamond' were found next to the decedent. MDMB-CHMICA and a 'hint' of SDB-001 (APICA) were detected in the 'black diamond' product. Post-mortem blood analysis detected methadone, MDMB-CHMICA and lorazepam. The cause of death was reported as a probable ‘methadone intoxication’ and it is reported that the consumption of MDMB-CHMICA and lorazepam may have strengthened the effects of the methadone and contributed to the death.

Other uses
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E. Legal status
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F. References
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G. Chemistry

Other chemical names and variants

Chemical Abstracts Service (CAS) registry number:
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Molecular information:
https://www.caymanchem.com/app/template/Product.vm/catalog/16965

Molecular structure:

Molecular formula: C_{23}H_{32}N_{2}O_{3}  Molecular weight: 384.5 g/mol
Identification and analytical profiles:
Kindly provided by the Hungarian focal point:

GC/MS

ATR-FT-IR - extraction with aceton from herbal product
Synthesis, manufacture and precursors

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