



EU EARLY WARNING SYSTEM FORMAL NOTIFICATION

Date issued	24 March 2022	RCS ID	EU-EWS-RCS-FN-2022-0008
Issued by	EMCDDA	Transmitted by	Action on New Drugs Sector, EMCDDA
Subject	Formal notification of <i>N</i> -cyclohexyl-2-(1-pentyl-1 <i>H</i> -indol-3-yl)acetamide (CH-PIACA) by Spain as a new psychoactive substance under the terms of Regulation (EC) No 1920/2006 and Council Framework Decision 2004/757/JHA		

1. Read me first

This document provides formal notification of the analytical identification of *N*-cyclohexyl-2-(1-pentyl-1*H*-indol-3-yl)acetamide (CH-PIACA) for the first time in Europe.

Please report any additional data you have on this substance to: ews@emcdda.europa.eu

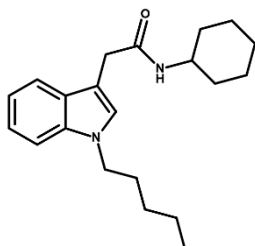
2. Data use restrictions

As with all formal notifications issued by the EU EWS remember that they may contain information that could be regarded as sensitive. Should you provide some of the information in this notification to other groups we would ask that you exercise your best judgment on what information needs to be provided. If you have any questions in this respect, please contact us.

3. Names of substance and other identifiers

- IUPAC name: *N*-cyclohexyl-2-(1-pentyl-1*H*-indol-3-yl)acetamide
- Chemical names: n/a
- Common name: CH-PIACA
- Other names: CH-PIATA; CHX-PIACA; CHX-PIATA
- Chemical formula: C₂₁H₃₀N₂O
- Molecular weight: 326.48
- CAS Registry number: not registered.
- InChIKey: SYYOOLIGHZEOKJ-UHFFFAOYSA-N

Molecular structure



4. Substance classification

Synthetic cannabinoid

5. Detection

Type: Seizure

Case Report identifier: [EDND-CR-2022-88](#)

Details: CH-PIACA was identified in one gram of beige-brown powder seized by Spanish Customs at a package company in Cordoba, on 1 February 2022. The seizure was reported as a case of international trafficking as the seized sample was en-route from Germany with Mauritius as the final destination.

The substance was analytically confirmed using GC-MS, FTIR and NMR by the central laboratory of Customs Surveillance Service.

Other detections

Type: Seizure

Case Report identifier: [EDND-CR-2022-224](#)

Details: CH-PIACA was also identified in 1001.7 grams of beige powder seized by State Police Rhineland-Palatinate, in Germany on 12 March 2022. CH-PIACA was found stashed at a park bench together with 100 grams of [ADB-BUTINACA](#) (ADB-BINACA) and 500 grams of [MDA-19 4en-pentyl analogue \(BZO-4en-POXIZID\)](#), labeled as '7ADD' and '6Cl-adb-a', respectively.

The substance was analytically confirmed using GC-MS, GC-sIR, (HR)-LC-MS and NMR by the EU-funded project ADEBAR plus. Analysis using FTIR and Raman spectroscopy was not possible due to the presence of contaminants. The base form of CH-PIACA was identified in the seized sample.

There are indications that CH-PIACA has been recently identified in seized samples in at least three additional Member States.

6. Chemistry and Analysis

Chemical classification: azacyclic; indole; other indoles

CH-PIACA is an indole based synthetic cannabinoid which contains an indole core (I), a cyclohexyl linked group (CH), an acetamide linker (ACA), and a pentyl tail (P). CH-PIACA shares structural similarities with [ADB-FUBIACA](#) and [ADB-IACA](#), formally notified in December 2021 and February 2022 respectively, due to the presence of the acetamide linker and the indole core but differ in both the linked group and tail moieties.

CH-PIACA shares structural similarities with some JWH synthetic cannabinoids, such as the internationally controlled [JWH-018](#) (Schedule II of the United Nations 1971 Convention on Psychotropic Substances) and [JWH-018 adamantyl carboxamide \(Apica\)](#), formally notified in 2012. CH-PIACA differs from these JWH compounds at the linker and linked group, which is methanone and naphthyl in JWH-018 and carboxamide and adamantyl in JWH-018 adamantyl carboxamide (Apica). CH-PIACA also shares structural similarities with [MDA 19](#), formally notified in 2016, and MDA 19 analogues, such as [MDA-19 pentyl analogue \(BZO-POXIZID\)](#) and [CHM-MDA-19 \(BZO-CHMOXIZID\)](#), formally notified in 2021.

7. Pharmacology and toxicology

Pharmacological classification: cannabinoid

There is no information available on the pharmacology and toxicology of CH-PIACA. Based on its structural similarity with other synthetic cannabinoids, such as JWH-018 and MDA 19, CH-PIACA is expected to act as a cannabinoid receptor agonist.

8. Further information

Further information on this substance is available on the EDND profile:

<https://ednd2.emcdda.europa.eu/ednd/substanceProfiles/1296>

9. Acknowledgements

The Spanish National Focal Point, Spanish Customs Surveillance Service, the central laboratory of Customs Surveillance Service, the German National Focal Point, State Police Rhineland-Palatinate and the EU-funded project ADEBAR plus are kindly acknowledged for the information and analytical data provided.

10. Attachments

None.

11. References

None.