



EU EARLY WARNING SYSTEM FORMAL NOTIFICATION

Date issued	09 December 2021	RCS ID	EU-EWS-RCS-FN-2021-0044
Issued by	EMCDDA	Transmitted by	Action on New Drugs Sector, EMCDDA
Subject	Formal notification of <i>N</i> -(2-phenylpropan-2-yl)-1-tosyl-1 <i>H</i> -indazole-3-carboxamide (CUMYL-TsINACA) by Germany 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*-(2-phenylpropan-2-yl)-1-tosyl-1*H*-indazole-3-carboxamide (CUMYL-TsINACA) for the first time in Europe.

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

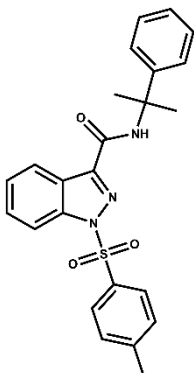
2. Data use restrictions

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*-(2-phenylpropan-2-yl)-1-tosyl-1*H*-indazole-3-carboxamide
- Chemical names: *N*-(1-methyl-1-phenyl-ethyl)-1-(*p*-tolylsulfonyl)indazole-3-carboxamide
- Common name: CUMYL-TsINACA
- Other names: Cumyl-TsINACA
- Chemical formula: C₂₄H₂₃N₃O₃S
- Molecular weight: 433.53
- CAS Registry number: not registered.
- InChIKey: NZHIGLHQWQLPPC-UHFFFAOYSA-N

Molecular structure



4. Substance classification

Synthetic cannabinoid

5. Detection

Type: Seizure

Case Report identifier: EDND-CR-2021-921

Details: CUMYL-TsINACA was identified in 0.44 grams and 306.23 grams of herbal material seized by Police Baden-Württemberg on 10 August and Hesse State Police on 31 August 202.

The substance was analytically confirmed using GC-MS, FTIR, HR-LC-MS, Raman spectroscopy and NMR by the EU-funded project ADEBAR plus. The base form of CUMYL-TsINACA was identified in the sample.

6. Chemistry and Analysis

Chemical classification: azacyclic; azole; indazole

CUMYL-TsINACA is an indazole based synthetic cannabinoid, containing an indazole core (INA), a carboxamine linker (CA), a cumyl linked group (CUMYL) and a tosyl tail (Ts). Cumyl-TsINACA is structurally related to [CUMYL-THPINACA](#), [CUMYL-NBMINACA](#) and [CUMYL-CBMINACA](#), formally notified in 2014, 2020 and 2021, respectively. CUMYL-TsINACA differs from these substances by replacement of the tosyl tail with a tetrahydropyran tail in CUMYL-THPINACA, a methylnorbornane tail in CUMYL-NBMINACA and a cyclobutylmethyl tail in CUMYL-CBMINACA.

CUMYL-TsINACA is also structurally related to other indazole based synthetic cannabinoids with a cumyl group, such as [CUMYL-PINACA](#), [CUMYL-5FPINACA](#) and the internationally controlled [CUMYL-4CN-BINACA](#) and [CUMYL-PEGACLONE](#) (Schedule II of the United Nations 1971 Convention on Psychotropic Substances). CUMYL-TsINACA also shares structural similarities with [2F-QMPSB](#), an arylsulfonamide and a quinoline-based synthetic cannabinoid, also known as SGT-13, formally notified in 2019.

7. Pharmacology and toxicology

Pharmacological classification: cannabinoid

There is no information available on the pharmacology and toxicology of CUMYL-TsINACA. Based on its structural similarity with other synthetic cannabinoids, such as CUMYL-4CN-BINACA and CUMYL-PEGACLONE, CUMYL-TsINACA 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/1259>

9. Acknowledgements

The German National Focal Point, Police Baden-Württemberg, Hesse State Police and the EU-funded project ADEBAR plus are kindly acknowledged for the information and analytical data provided.

10. Attachments

None.

11. References

None.