



REPUBLIKA SLOVENIJA  
MINISTRSTVO ZA FINANČNE  
FINANČNA UPRAVA REPUBLIKE  
SLOVENIJE



# CARINSKI LABORATORIJ - izzivi poslanstva

Marjetka Birk

Seminar „Nove psihoaktivne substance (NPS)- odziv na izziv“  
NFL, 25.2.2016



# Carinski laboratorij

- Osebna izkaznica
- Oprema
- Poslanstvo
- Sodelovanje v CLEN
- Sodelovanje s PU, NFL
- Primeri izzivov





REPUBLIKA SLOVENIJA  
MINISTRSTVO ZA FINANCE  
FINANČNA UPRAVA REPUBLIKE  
SLOVENIJE



# Osebna izkaznica

REPUBLIKA SLOVENIJA  
MINISTRSTVO ZA FINANCE  
Finančna uprava Republike Slovenije  
Generalni finančni urad



Uprava za carine  
Sektor za carinsko tarifo  
Carinski laboratorij

Šmartinska cesta 55, 1000 Ljubljana  
T: +386 1 478 3889  
F: +386 1 478 3900  
gfu.fu@gov.si





# Osebna izkaznica

- 8 uslužbencev
- 5 kemikov
- 2 živilska tehnologa
- 1 tekstilni tehnolog



# Oprema

- HPLC
- GC/FID, GC/MS
- FTIR
- UV-VIS
- KJELDAHL
- SOXHLET
- REFRAKTOMETER
- POLARIMETER



- AVTOMATSKI DESTILATOR
- ED-XRF
- ANALIZATOR ŽVEPLA-UVF
- drugo





## Poslanstvo FURS

- Učinkovito in pošteno pobiranje dajatev, zaščita družbe, zagotavljanje splošne varnosti in zaščite prebivalcev, varnosti proizvodov, varovanje okolja in narave, varstvo pravic intelektualne lastnine ter finančnih interesov Slovenije in Evropske unije.





# Poslanstvo laboratorija

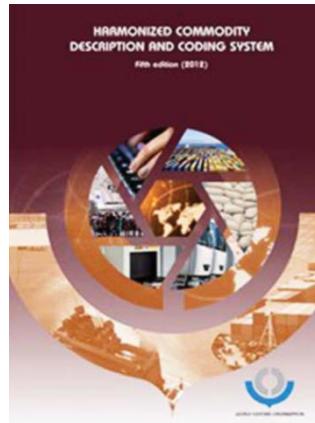
- Tehnična podpora carinski/ finančni službi





# Poslanstvo laboratorija

- Uvrščanje blaga v carinsko tarifo
- Kontrola trošarinskega blaga (goriva, alkohol, tobak)



Uradni list  
Evropske unije  
Slovenska izdaja  
Zakonodaja

L 282

Zvezek 54  
28. oktober 2011

II – Nezakonodajni akti

UREDBE

\* Uredba Komisije (EU) iz 1006/2011 z dne 27. september 2011 o spremembi Priloge I k Uredbi Sveta (EGS) R. 2658/87 o tarifi in statistični nomenklaturi ter skupni carinski tarifi



https://sicis.curs.sigov.si/wps/myportal/sicis/Home/taric3/uvozizvoz/

Portal Furs - Uvoz / Izvoz

Datoteka Uredi Pogled Prijavljene Orodja Pomoč

FURS - Spletno učenje... Links Council of Europe - (ETS ... CPP - Carinski portal pove... Customize Links Free Hotmail Gmail Google Prevajalnik Iskanje webhp-hl=sl desktop

REPUBLICA SLOVENIJA  
MINISTRSTVO ZA FINANCIJE  
FINANČNA UPRAVA REPUBLIKE SLOVENIJE

PORTAL SICIS

BIRK MARJETKA Dejanja Odjava

SIAIS SIAES ECS SINCTS SIGMS MNAD TARIC3 STROM EOS SW-CVED Tečajna Lista SKLAD

Nomenklatura Uvoz / Izvoz Meursing Uredbe Ukrepi Protidamping / Izravnalne dajatve Računsko - kontrolni modul Trendi tarifnih kvot Stanje po kvotah

TARIC3 > Uvoz / Izvoz

Iskalnik

Oznaka TARIC: 2933 99 80 90 Država porekla: CN Kitajska (CN) Datum: 17.02.2016 Gibanje blaga: Uvoz

Veljavnost: 01.01.2009 - Skupine nomenklatur: Statistične info Opomba: (TN701), (TN702) Posebna merska enota:

ŠTEVILLO UKREPOV: 6

Ukrepi

- Carina za tretje države
- Carina za tretje države
- Tarifna opustitev zračne plovnosti
- Omejitev uvoza mamil in psihotropnih substanc (nacionalni)
- Omejitev uvoza mamil in psihotropnih substanc (nacionalni)
- Davek na dodano vrednost (nacionalni)

UKREP: MPU Omejitev uvoza mamil in psihotropnih substanc (nacionalni)  
Velja od 05.07.2014

Pogoj

Predložitev potrdila/dovoljenja/listine

Potrdilo: Potrdilo, soglasje ali dovoljenje ministrstva, pristojnega za zdravje (3P32)  
Akcija: Uporabi ukrep!

Potrdilo: Ni priloženo!  
Akcija: Sprostitev v prost promet ni dovoljena

Dodatevne oznake

S011: Mamil in psihotropne substance (MIPS)

Zapisni

Natisni

Meursing:

| Pogoj | Dodatna oznaka | Uredba   |
|-------|----------------|----------|
| P     | 2500           | R1031/08 |
| P     | 2501           | R1031/08 |
| P     |                | R1147/02 |
| P     | S011           | N1909/14 |
| P     | S999           | N1909/14 |
| P     |                | N1756/13 |

Verzija UI: 1.0.6.3.20150914-1521

Verzija UI: 1.0.6.3.20150914-1521  
Verzija WS: 1.0.6.3.20150827-1408



# Poslanstvo laboratorija

- Varstvo potrošnikov, varovanje zdravja
- Odkrivanje ponaredkov
- Varovanje okolja



Prepovedani freoni?



Zaščiteni organizmi?



Metanol,  
denaturanti?



Ponaredki?

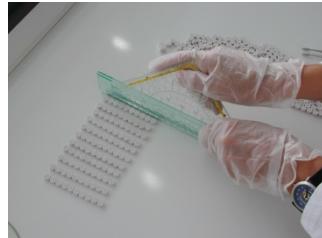


Farmacevtske  
učinkovine?





# Poslanstvo laboratorija



- Blago za katerega veljajo prepovedi in omejitve





# Napačno deklarirano blago - zakaj

- Nevednost pri uvrščanju
- Izogibanje
  - Dajatvam
  - Omejitvam
  - Prepovedane snovi



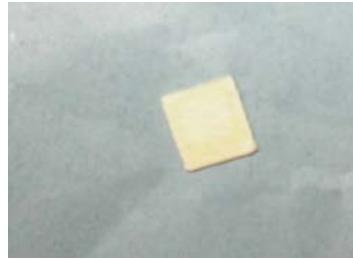
Beli trsni sladkor,  
cena 33Eur/kg!  
Homeopatsko  
zdravilo?  
Drugo?



Methyl Sulfone ?  
= 2-feniletanamin hidroklorid  
(fenetilamin –poživilo,  
prepovedana snov na  
tekmovanju, S6)



## Napačno deklarirano blago -primer



Opis blaga: GALAXY HERBAL INCENSE 3g (400 vrečk), kadilo za odišavljanje prostorov

Ugotovljeno: vsebuje sintetični kanabinoid AM-2201

Opis blaga: DOCUMENTS AND LETTERS

Ugotovljeno: V OKVIRU FOTOGRAFIJE 10 PLOŠČIC PREPOJENIH Z 2C-E

Kemikalije, pigmenti, mineralna gnojila, kopalne soli, preparati za dišavljenje prostorov...



# Napačno deklarirano blago - primer

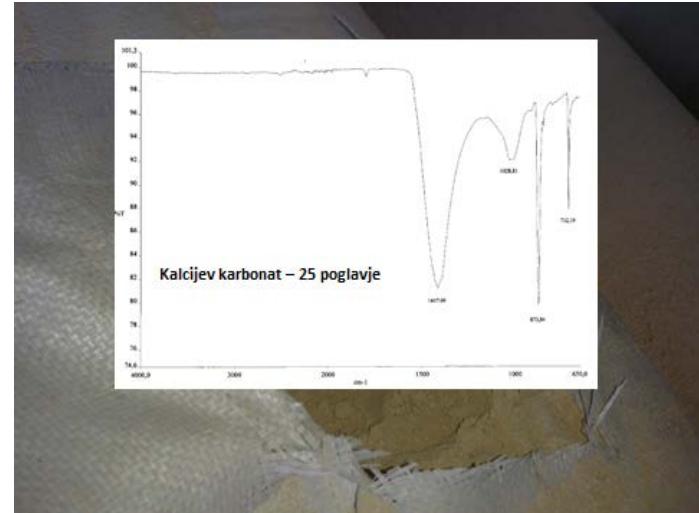
31 Tovorki  
in opis  
blaga

Oznake in številka • Številke zaboljivkov • Število in vrsta

88 PC BREZ OZNAK,CMAU4446269,  
v 1 x 40' HC zaboljniku CMAU 444626-9  
SINTETIČNA VLAKNA,REZANA,NEMIKANA, NEČESANA IN NE DRUGAČE PRIPRAVLJENA ZA  
PREDENJE: IZ POLIESTRA - bal 88

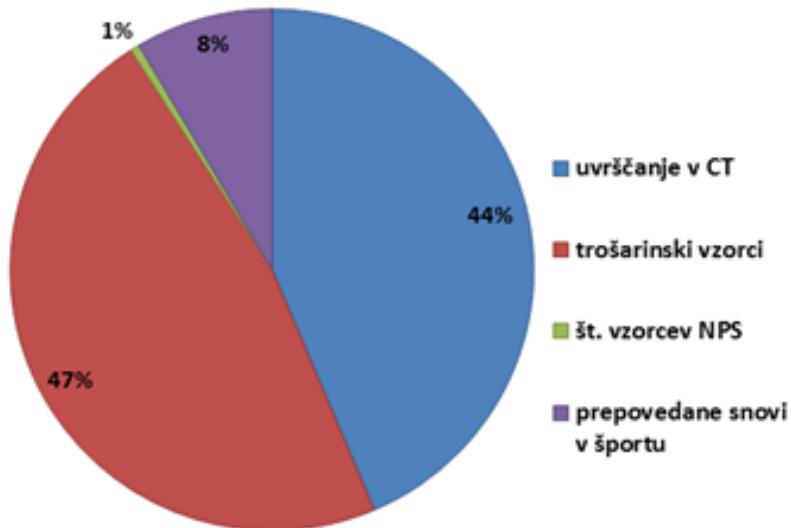


| 32 Zap. št. p.            | 33 Tarifna oznaka    |              |  |  |
|---------------------------|----------------------|--------------|--|--|
| 1                         | 55032000             | 00           |  |  |
| 34 Števila države porekla | 35 Bruto masa (v kg) | 36 Ugodnosti |  |  |
| a CN b                    | 22.044,000           | 100          |  |  |
| 37 POSTOPEK               | 38 Neto masa (v kg)  | 39 Kvota     |  |  |
| 4200                      | 22.000,000           |              |  |  |



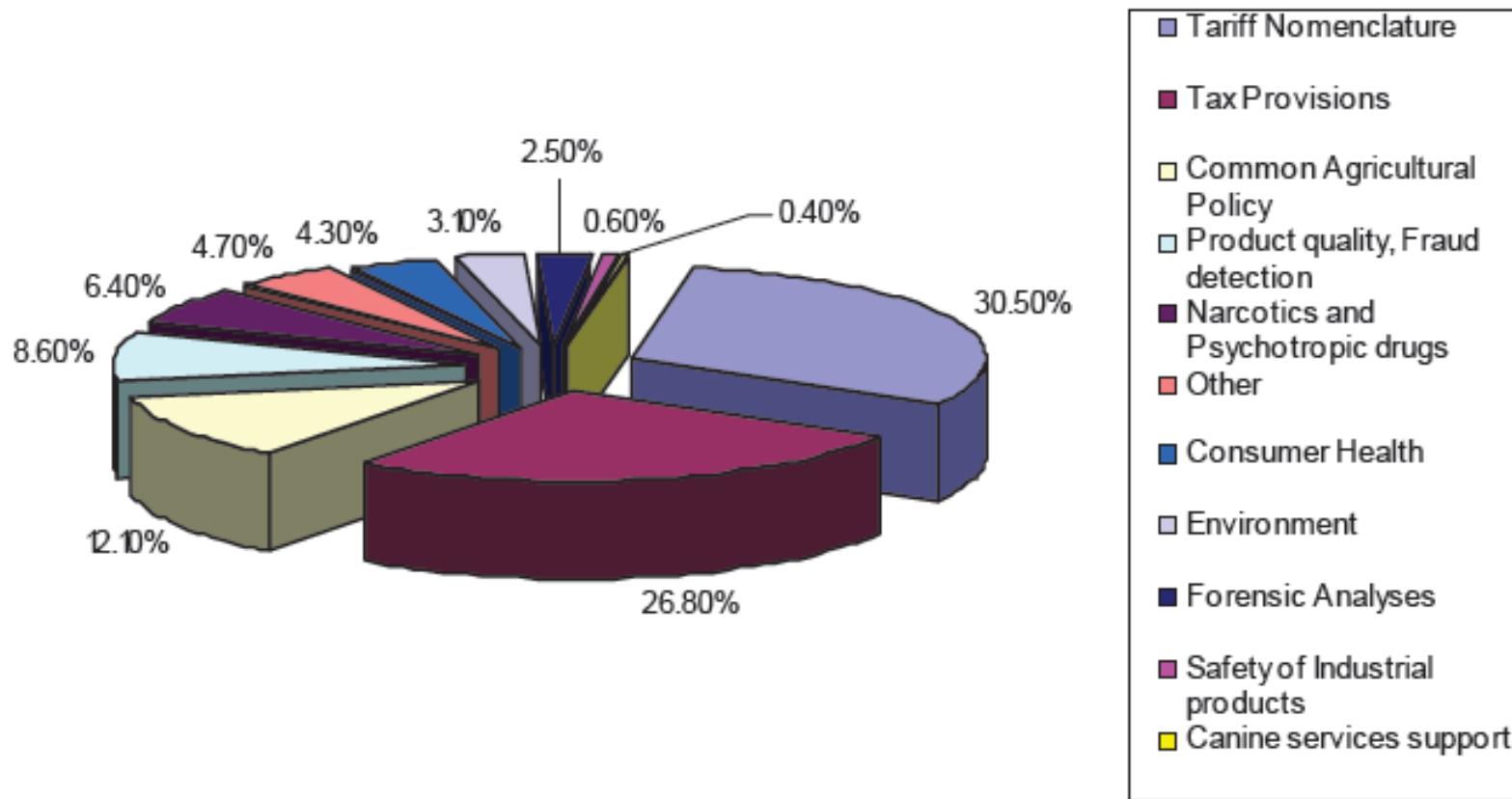
# Vzorci v letu 2015

| Št. vzorcev skupaj | uvrščanje v CT | trošarinski vzorci | št. vzorcev NPS | prepovedane snovi v športu | št. analiziranih PSŠ |
|--------------------|----------------|--------------------|-----------------|----------------------------|----------------------|
| 1236               | 539            | 585                | 7               | 105                        | 79                   |





## Missions of the European Customs Laboratories





# Sodelovanje evropskih carinskih laboratorijs

- CL držav članic se razlikujemo v organizaciji, pristojnostih, opremljenosti, kadrovskih virih
- Namen povezovanja: enotna obravnavava blaga in pogoji poslovanja, izboljšanje kakovosti storitev, izmenjava izkušenj, hiter odziv na nove zahteve



Customs Laboratories  
European Network





European Customs Inventory of Chemical Substances  
European Commodity, Tariff and Chemical Codes

New point: Draft prepared

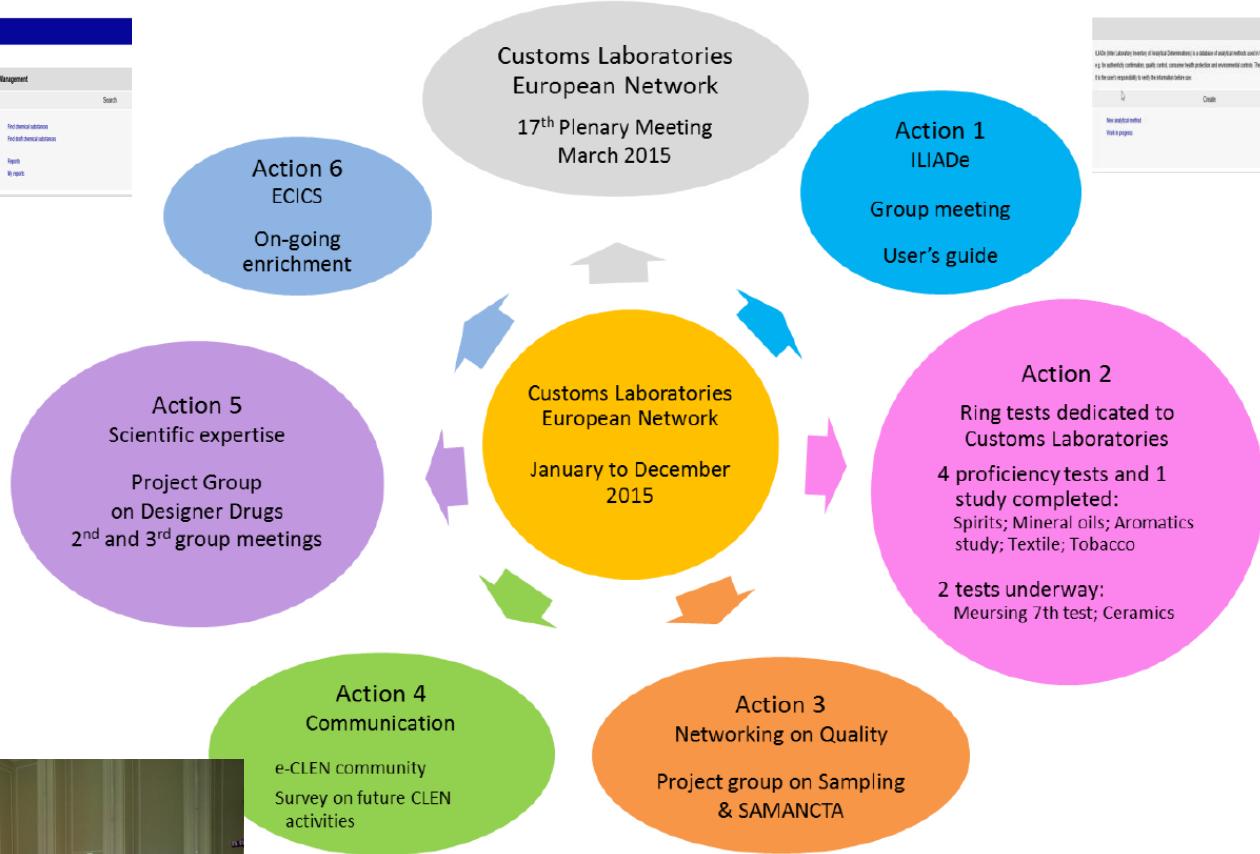
Chemical Substance Management

Create Search

New chemical substance  
Work in progress

Published chemical substances  
Published chemical substances

Reports My reports



ILIADE Analytical Method management

ECDC (European Customs Inventory of Chemical Substances) is a database of analytical methods used in the European Union for customs purposes e.g. classification, application of systems and excise duties and export controls.  
e.g. for authenticity confirmation, quality control, consumer health protection and environmental control. The ultimate responsibility for "accuracy" of analytical methods lies with the user.  
It is the user's responsibility to verify the information before use.

Create Search

New analytical method  
Work in progress

Past analytical method  
Published analytical method  
Browse National Committees



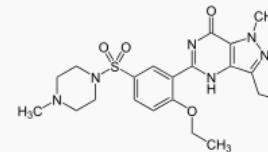
# Sodelovanje z drugimi carinskimi laboratorijami

## ZAPISNIK O ODVZEMU VZORCA BLAGA

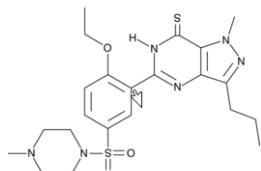
|   |   |
|---|---|
| Trgovsko ime z računa                                       | Lucid Ganoderma Extrakt, 1 paket, 1200 kosov  |
| Tarifna oznaka iz polja 33 EUL                              | 2106 90 92 60 S999  |
| Opis vzorca (vitez, oblika pakiranja, odvzet iz, opozorila) | Blago je zapakirano v kartonu. Blisterji s štirimi kapsulami so brez embalaže in oznak. |
| Vzorec odvzet za  | GCU;  |
| Odvzeta količina za posamezen vzorec                        | 2   |
| Razlogi za zahtevanje mnenja                                | Blago nima nobene oznake.   |



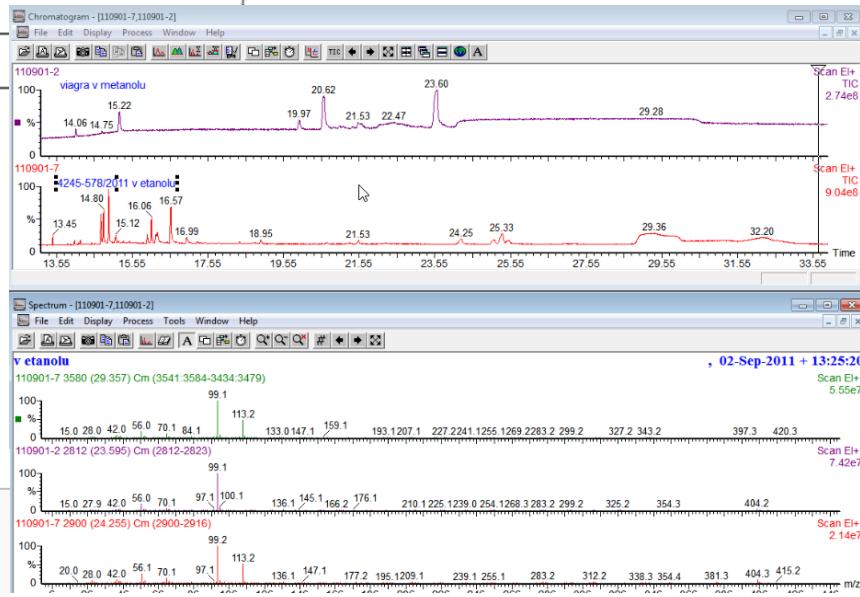
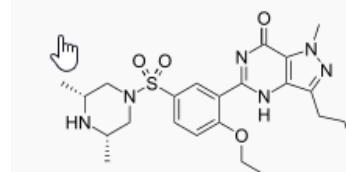
Sildenafil



Aildenafil



tiosildenafil





# CLEN in dizajnerske droge

- Delavnica o dizajnerskih drogah, september 2012, Berlin
- Projektna skupina za dizajnerske droge in druge prepovedane proizvode
- CLEN2SAND projekt; CLEN-JRC (Ispra)





# Sodelovanje CL s PU in NFL

- Osnova je sporazum med upravama
- Analize prepovedanih snovi v športu
- Analize vzorcev za katere obstaja sum na psihotropne substance



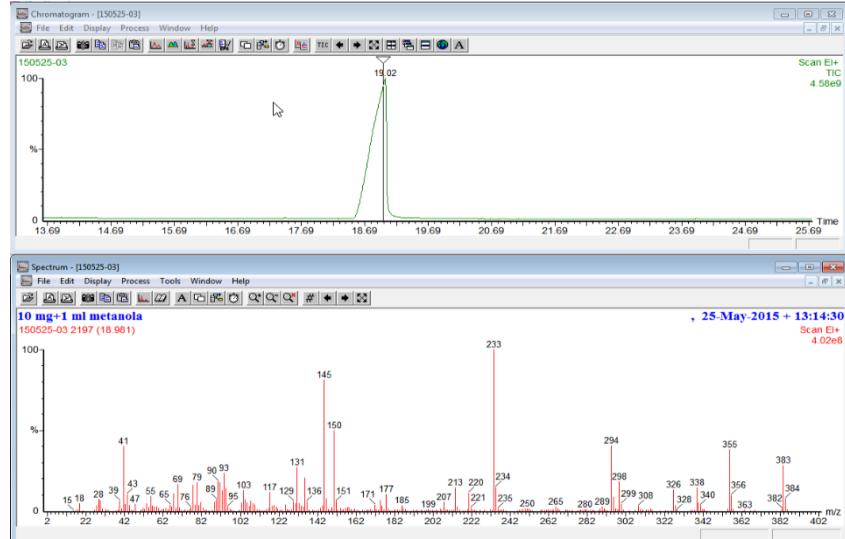


# Pravilno poimenovano in uvrščeno v KN, napačna dodatna oznaka

Junij 2015

## ZAPISNIK O ODVZEMU VZORCA BLAGA

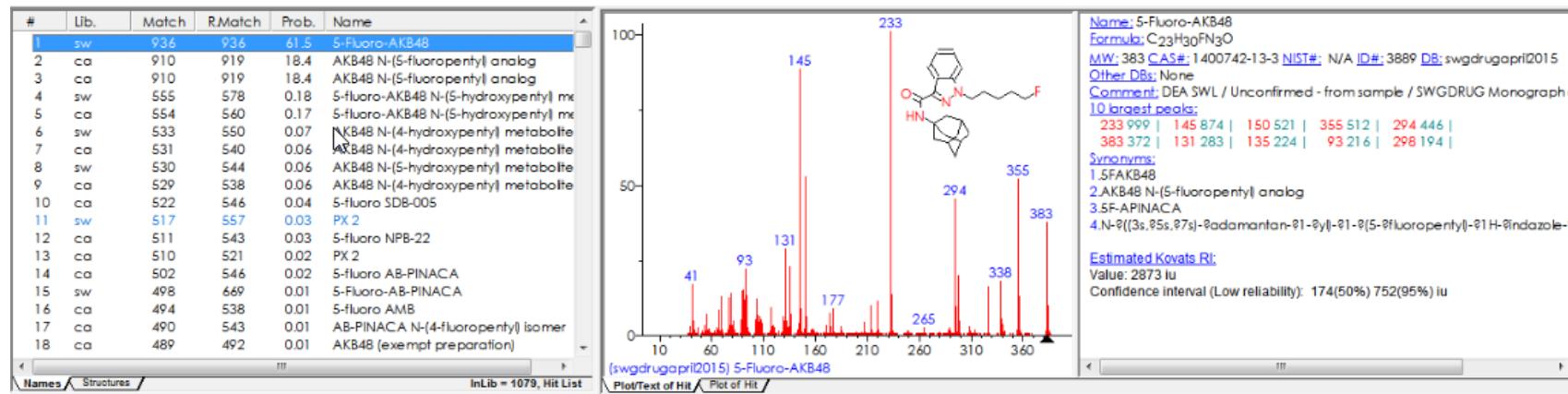
| Trgovsko ime z računa  | n-(adamantyl)-2-(fluoropentyl)-1h-indazole-3-carboxamide   |             |              |          |                |               |             |  |          |   |  |     |       |        |   |                 |  |  |        |                   |  |  |  |  |
|--|--|-------------|--------------|----------|----------------|---------------|-------------|--|----------|---|--|-----|-------|--------|---|-----------------|--|--|--------|-------------------|--|--|--|--|
| Številka EUL (MRN)   | <b>VSEBINA DODATNE OZNAKE</b> <table border="1"><tr><th>Dodatna oznaka</th><th>Opis</th></tr><tr><td>S999</td><td>Drugo</td></tr></table>                                  |             |              |          | Dodatna oznaka | Opis          | S999        | Drugo                                  |          |   |  |     |       |        |   |                 |  |  |        |                   |  |  |  |  |
| Dodatna oznaka   | Opis   |             |              |          |                |               |             |  |          |   |  |     |       |        |   |                 |  |  |        |                   |  |  |  |  |
| S999   | Drugo  |             |              |          |                |               |             |  |          |   |  |     |       |        |   |                 |  |  |        |                   |  |  |  |  |
| Postavka   |  |             |              |          |                |               |             |  |          |   |  |     |       |        |   |                 |  |  |        |                   |  |  |  |  |
| Deklarant  | <b>VSEBINA DODATNE OZNAKE</b> <table border="1"><tr><th>Dodatna oznaka</th><th>Opis</th></tr><tr><td>S011</td><td>Mamila in psihotropne substance (MIPS)</td></tr></table> |             |              |          | Dodatna oznaka | Opis          | S011        | Mamila in psihotropne substance (MIPS) |          |   |  |     |       |        |   |                 |  |  |        |                   |  |  |  |  |
| Dodatna oznaka   | Opis   |             |              |          |                |               |             |  |          |   |  |     |       |        |   |                 |  |  |        |                   |  |  |  |  |
| S011   | Mamila in psihotropne substance (MIPS)   |             |              |          |                |               |             |  |          |   |  |     |       |        |   |                 |  |  |        |                   |  |  |  |  |
| Prejemnik  |  |             |              |          |                |               |             |  |          |   |  |     |       |        |   |                 |  |  |        |                   |  |  |  |  |
| Tarifna oznaka iz polja 33 EUL   | 2933 99 80 90 2501 S999  |             |              |          |                |               |             |  |          |   |  |     |       |        |   |                 |  |  |        |                   |  |  |  |  |
| Opis vzorca (videz, oblika pakiranja, odvzet iz, opozorila)  | Odvzeto iz enega(1) kartona 1 prahovka belega prahu. Upozoril:   |             |              |          |                |               |             |  |          |   |  |     |       |        |   |                 |  |  |        |                   |  |  |  |  |
| Vzorec odvzet za   | GFU:   |             |              |          |                |               |             |  |          |   |  |     |       |        |   |                 |  |  |        |                   |  |  |  |  |
| Odvzeta količina za posamezen vzorec   | 1 KG   |             |              |          |                |               |             |  |          |   |  |     |       |        |   |                 |  |  |        |                   |  |  |  |  |
| Razlogi za zahtevanje mnenja   | Pravilna uvrstitev v KN- sum napovedane substance.   |             |              |          |                |               |             |  |          |   |  |     |       |        |   |                 |  |  |        |                   |  |  |  |  |
| <table border="1"><thead><tr><th>序号No</th><th>品名Description</th><th>数量 Quantity</th><th>单价Unit Price</th><th>总值Amount</th></tr></thead><tbody><tr><td>1</td><td>N-(adamantyl-1-yl)-fluoropentyl)-1H-indazole-3-carboxamide</td><td>7kg</td><td>200\$</td><td>1400\$</td></tr><tr><td>2</td><td>※ Shipping cost</td><td></td><td></td><td>1400\$</td></tr><tr><td colspan="5">TOTAL总计: USD2800S</td></tr></tbody></table> |  |             |              |          | 序号No           | 品名Description | 数量 Quantity | 单价Unit Price                           | 总值Amount | 1 | N-(adamantyl-1-yl)-fluoropentyl)-1H-indazole-3-carboxamide | 7kg | 200\$ | 1400\$ | 2 | ※ Shipping cost |  |  | 1400\$ | TOTAL总计: USD2800S |  |  |  |  |
| 序号No   | 品名Description  | 数量 Quantity | 单价Unit Price | 总值Amount |                |               |             |  |          |   |  |     |       |        |   |                 |  |  |        |                   |  |  |  |  |
| 1  | N-(adamantyl-1-yl)-fluoropentyl)-1H-indazole-3-carboxamide   | 7kg         | 200\$        | 1400\$   |                |               |             |  |          |   |  |     |       |        |   |                 |  |  |        |                   |  |  |  |  |
| 2  | ※ Shipping cost  |             |              | 1400\$   |                |               |             |  |          |   |  |     |       |        |   |                 |  |  |        |                   |  |  |  |  |
| TOTAL总计: USD2800S  |  |             |              |          |                |               |             |  |          |   |  |     |       |        |   |                 |  |  |        |                   |  |  |  |  |



## REPORT

|  |  |
|--|--|
| Sample ID:                             | <b>1179-15</b>   |
| Our notebook code:                     | P-1179-15  |
| NMR sample preparation:                | 15 mg dissolved in 0.7 mL CDCl <sub>3</sub> ,<br>15 mg dissolved in 0.7 mL DMSO <sub>d</sub>   |
| NMR experiments:                       | <sup>1</sup> H, <sup>13</sup> C, <sup>19</sup> F, <sup>1</sup> H- <sup>1</sup> H gs-COSY, <sup>1</sup> H- <sup>13</sup> C gs-HSQC, <sup>1</sup> H- <sup>13</sup> C gs-HMBC,<br><sup>1</sup> H- <sup>15</sup> N gs-HMBC. All experiments in both indicated solvents.  |
| Proposed structure with chemical name: | <p><b>A</b><br/>N-(adamantan-1-yl)-1-(5-fluoropentyl)-1H-indazole-3-carboxamide</p>  |
| Comments:                              | <ul style="list-style-type: none"> <li>- Structure elucidation based on 1D and 2D NMR spectra</li> <li>- An impurity is detected in <sup>1</sup>H and <sup>13</sup>C NMR spectra.</li> </ul> <p>Based on the comparison with the SDDB database, the impurity is most likely diisopropyl ether (<b>B</b>) in the ratio <b>A</b> : <b>B</b> of <math>\approx 1 : 0.07</math>.<br/>Less likely the impurity is 2-propanol (<b>C</b>) in the ratio <b>A</b> : <b>C</b> of <math>\approx 1 : 0.14</math>.</p> |
| Supporting information:                | Copies of <sup>1</sup> H and <sup>13</sup> C NMR spectra in CDCl <sub>3</sub> and DMSO <sub>d</sub>  |
| Author:                                | Prof. Dr. Janez Kosmrlj  |
| Date of report:                        | June 2, 2015   |

This report has been produced with the financial support of the Prevention of and Fight against crime Programme of the European Union (grant agreement number JUST/2013/ISEC/DRUGS/AG/6413). The contents of this publication are the sole responsibility of the Author and can in no way be taken to reflect the views of the European Commission.





# Pravilno poimenovano in uvrščeno v KN, napačna dodatna oznaka

|   |               |                                 |   |   |
|---|---------------|---------------------------------|---|---|
| Oznaka TARIC:   | 2933 99 80 90 | <input type="button" value=""/> | Valuta (Dajatve): EUR (€) <input type="button" value=""/> | Dodata oznaka: <input type="text"/>                               |
| Država porekla:   | CN            | Kitajska (CN)                   | <input type="button" value=""/>                           |   |
| Datum:  | 22.02.2016    | <input type="button" value=""/> | Gibanje blaga:  | <input checked="" type="radio"/> Uvoz <input type="radio"/> Izvoz |
| <input type="button" value="Išči"/> <input type="button" value="Ponastavi"/> <input type="button" value="RKM"/> |               |                                 |   |   |

|             |                  |                      |   |                      |                      |
|-------------|------------------|----------------------|---|----------------------|----------------------|
| Veljavnost: | 01.01.2009 -     | Skupine nomenklatur: | Statistične informacije (Uredba 93/3223, Priloga A) | Meursing:            | <input type="text"/> |
| Opomba:     | (TN701), (TN702) |                      | Posebna merska enota:                               | <input type="text"/> |                      |

| ŠTEVILLO UKREPOV: 6  |            |         |  |                      |        |                          |
|--|------------|---------|--|----------------------|--------|--------------------------|
| Ukrep  | Država(e)  | Dajatve | Pogoj  | Dodata oznaka        | Uredba |                          |
| <input checked="" type="checkbox"/> Carina za tretje države                                    | ERGA OMNES |         | 0,0000%  | <a href="#">2500</a> |        | <a href="#">R1031/08</a> |
| <input checked="" type="checkbox"/> Carina za tretje države                                    | ERGA OMNES |         | 6,5000%  | <a href="#">2501</a> |        | <a href="#">R1031/08</a> |
| <input checked="" type="checkbox"/> Tarifna opustitev zračne plovnosti                         | ERGA OMNES |         | 0,0000% ( <a href="#">CD333</a> ) glej pogoj (P) | <a href="#">P</a>    |        | <a href="#">R1147/02</a> |
| <input checked="" type="checkbox"/> Omejitve uvoza mamil in psihotropnih substanc (nacionalni) | ERGA OMNES |         | glej pogoj (P)                                   | <a href="#">S011</a> |        | <a href="#">N1909/14</a> |
| <input checked="" type="checkbox"/> Omejitve uvoza mamil in psihotropnih substanc (nacionalni) | ERGA OMNES |         | glej pogoj (P)                                   | <a href="#">S999</a> |        | <a href="#">N1909/14</a> |
| <input checked="" type="checkbox"/> Davek na dodano vrednost (nacionalni)                      | ERGA OMNES |         | glej pogoj (P)                                   | <a href="#">P</a>    |        | <a href="#">N1756/13</a> |

Stran 1

| VSEBINA DODATNE OZNAKE |   |
|------------------------|---|
| Dodata oznaka          | Opis  |
| 2500                   | Priloga 3, Tretji del, Oddelek II (farmacevtske snovi) - R 2015/1754 (UL L 285) |

| VSEBINA DODATNE OZNAKE |  |
|------------------------|--|
| Dodata oznaka          | Opis                                   |
| S011                   | Mamila in psihotropne substance (MIPS) |

| VSEBINA DODATNE OZNAKE |       |
|------------------------|-------|
| Dodata oznaka          | Opis  |
| S999                   | Drugo |



# Pravilno poimenovano in uvrščeno v KN, napačna dodatna oznaka

Tarifna oznaka iz polja 33 EUL

2933 99 80 90 2501 S999

## Opis blaga:

Bel prah pakiran v plastični vrečki z ZIP zadrgo vloženo v plastificirano ALU vrečko z napisom N-(adaManta-1-yl)-1-(5-fluoropentyl)-1H-indazole-3-carboxaMide.  
Bruto masa vrečke je 1020 g.



Z analizo je bilo ugotovljeno, da je vzorec izolirana, kemično opredeljena organska spojina, N-(1-adamantil)-1-(5-fluoropentil)-1H-indazol-3-karboksamid s sinonimi 1-(5-fluoropentyl)-N-(triciklo(3.3.1.13,7)dec-1-il)-1H-indazol-3-karboksamid (IUPAC), AKB-48F, 5F-APINACA, APINACA 5-Fluoropentil analog in 5F-AKB-48.

## Opomba:

AKB-48F je prepovedana droga, navedena pod zaporedno številko 16. v skupini I Seznama skupin prepovedanih drog Uredbe o razvrstitvi prepovedanih drog (Uradni list RS, št 45/2014).

Tarifna oznaka po strokovnem mnenju

2933 99 80 90 S011

- **1-(5-fluoropentil)-N-triciklo[3.3.1.13,7]dec-1-il-1H-indazol-3-karboksamid (5F-AKB48), junij 2015**
- Januar 2016 poročilo o zastrupitvi domnevno s snovjo „afgano/zmija / plastelin“ z znaki zastrupitve nezavest, agresija in nerazumljivo govorjenje, neodzivnost ter krči.



# Pigment yellow 180 ?

- Prah bež barve
- 10 g



| FROM: SHANGHAI CHINA                |                       | TO: Slovenia |            |        |  |
|-------------------------------------|-----------------------|--------------|------------|--------|--|
| Marks                               | Descriptions of Goods | Quantity     | Unit/Price | Amount |  |
| NO COMMERCIAL VALUE,<br>FOR SAMPLE. | PIGMENT YELLOW 180    | 1            | USD5       | USD5   |  |

ZAPISNIK O ODVZEMU VZORCA BLAGA

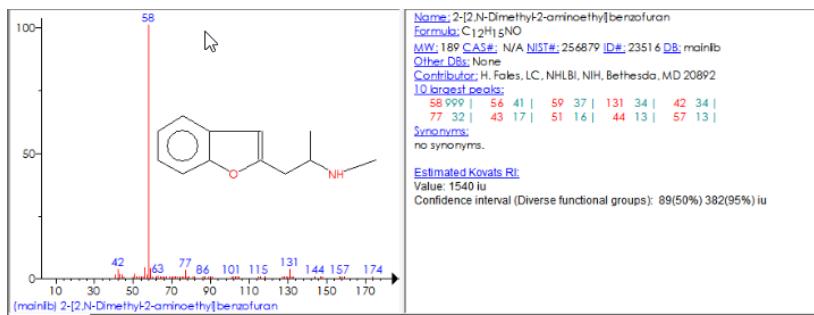
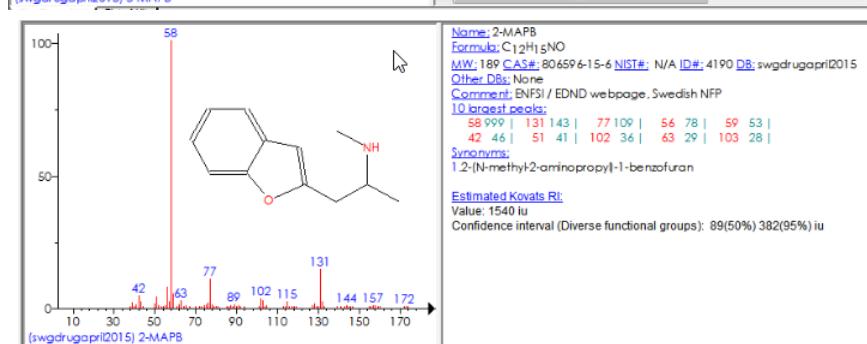
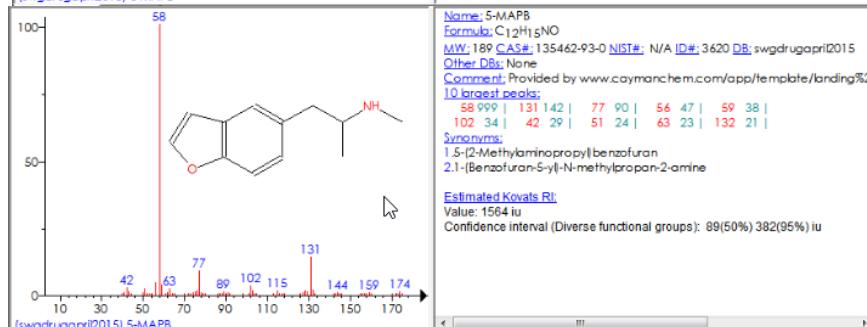
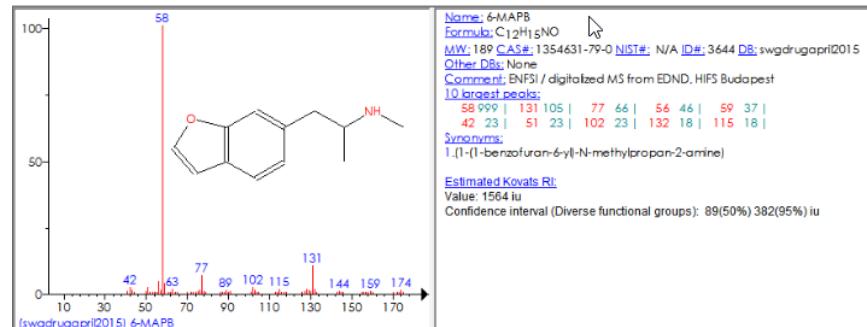
|   |   |
|---|---|
| Trgovsko ime z računa                                       | PIGMENT YELLOW 180  |
| Lastnik blaga   | <input type="checkbox"/>  |
| Tarifna oznaka  |   |
| Opis vzorca (vitez, oblika pakiranja, odvzet iz, opozorila) | PLASTIFICIRANA ALU VREČKA V KATERI JE PROZORNA PVC VREČKA Z ZIP ZADRGO, KI VSEBUJE CCA 20 GM UMAZANO BELE SNOVI, PO NAVEDBAH NEMŠKE CARINE "2-MAPB" |
| Vzorec odvzet za  | GFU;  |
| Odvzeta količina za posamezen vzorec                        | 1 KOS   |
| Razlogi za odvzem   | NEMŠKI RIF ŠT. DE/2015/017/AIR Z DNE 2.2.2015. SUM NA POIZKUS UVOZA PSIHOAKTIVNE SNOVI.   |

- Napačno deklarirano
- Identifikacija?
- Delovanje?
- Uvrstitev?



# Identifikacija

| #  | Lib. | Match | R.Match | Prob. | Name   |
|----|------|-------|---------|-------|--|
| 1  | M    | 908   | 914     | 37.3  | 2-[2,N-Dimethyl-2-aminoethyl]benzofuran  |
| 2  | sw   | 908   | 909     | 37.3  | 2-MAPB   |
| 3  | sw   | 875   | 885     | 9.76  | 5-MAPB   |
| 4  | ca   | 873   | 882     | 9.00  | 5-MAPB   |
| 5  | sw   | 841   | 842     | 2.40  | <b>6-MAPB</b>  |
| 6  | rl   | 753   | 765     | 0.21  | 2-Ethylmethcathinone   |
| 7  | sw   | 753   | 765     | 0.21  | 2-Ethylmethcathinone   |
| 8  | ca   | 751   | 759     | 0.19  | 2-Ethylmethcathinone   |
| 9  | ca   | 751   | 759     | 0.19  | 2-Ethylmethcathinone   |
| 10 | R    | 750   | 759     | 0.18  | N,N-Dimethyltryptamine<br>N,N-Dimethyltryptamine<br>N,N-Dimethyltryptamine<br>N,N-Dimethyltryptamine<br>N,N-Dimethyltryptamine |
| 11 | M    | 748   | 803     | 0.17  | Pseudoephedrine, (+)-<br>Pseudoephedrine, (+)-<br>Pseudoephedrine, (+)-<br>Pseudoephedrine, (+)-                               |





Vodovodna 95  
1000 Ljubljana  
SLOVENIJA

### ANALYTICAL REPORT

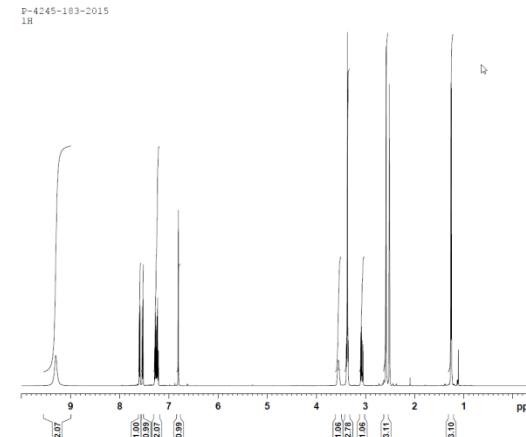
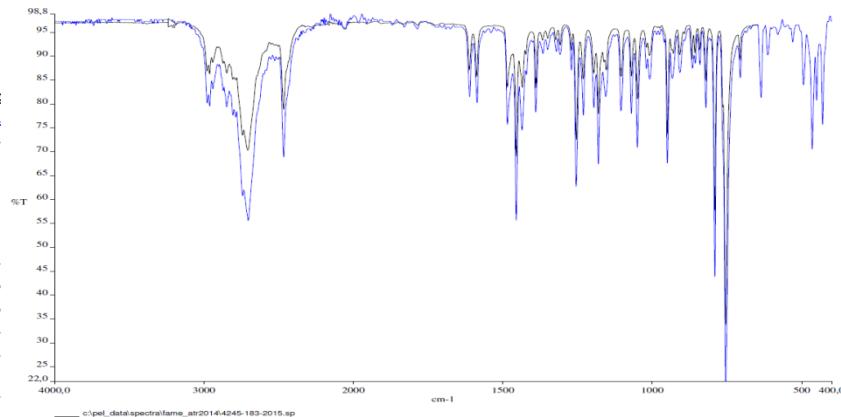
#### 2-MAPB (C<sub>12</sub>H<sub>15</sub>NO)

1-(Benzofuran-2-yl)-N-methylpropan-2-amine,

|                          |               |
|--------------------------|---------------|
| Sample ID:               | 4245-183/2015 |
| Sample description:      | powder        |
| Analyses/ report (date): | 3/ MAREC 2015 |
| Sample type:             | S-seized      |

| Substance identified-structure <sup>1</sup> |   |
|---|---|
| Systematic name                             | 1-(Benzofuran-2-yl)-N-methylpropan-2-amine      |
| Other names                                 | 2-MAPB, 2-[2,N-Dimethyl-2-aminoethyl]benzofuran |
| Formula (per base form)                     | C <sub>12</sub> H <sub>15</sub> NO              |
| M <sub>w</sub> (g/mol)                      | 189,24  |
| Salt form                                   | HCl   |
| Other compounds detected                    | none  |
| Smiles                                      | O=C(CC=C1C=CC=C1)CC(C)NC                        |
| Compound Class                              | Arylalkamines                                   |

T: +386 (0)1 428 44 6  
E: [nfl@policija.si](mailto:nfl@policija.si),  
[www.policija.si](http://www.policija.si).





# 2-MAPB delovanje?

## 2-MAPB (hydrochloride) Chemical & Forensic non regulated

The screenshot shows a product page for 2-MAPB hydrochloride. It features the chemical structure of the compound, which is a benzofuran derivative with a propyl group and an HCl counterion. The product is categorized as 'Chemical & Forensic non regulated'. The catalog number is Cat No. 17140, and the price is €81.00. A note states: 'Price is excluding VAT and does not include packaging neither shipping'. Below the price, it says: 'An analog of (aminopropyl)benzofurans, which include 6-APB'. Another note indicates: '2-MAPB is an analog of (aminopropyl)benzofurans, which include 6-APB (Item No. 11079), also known as benzo furyl. The physiological and toxicological properties of this compound are not known. T...'. There are buttons for 'More', 'Zoom', 'Size 1 mg', 'Quantity - 1 +', and an orange 'Add to cart' button.



## 2-APB and 2-MAPB seized in Västerås, Sweden

(self.Drugs)  
submitted pred 2 let by [deleted]

2-APB is the fourth (2-aminopropyl)benzofuran isomer to be notified to the EU EWS. The 4-, 5- and 6- isomers (all substituted on the phenyl side of the ring system) have already been reported in June 2011, December 2010 and June 2011 respectively. 2-APB was identified in a sample of 3.26 grams of pale beige powder, seized by Police in Västerås on 10 October 2013. The effect of substitution on the furan side of the ring system is not known.

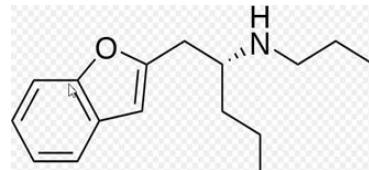
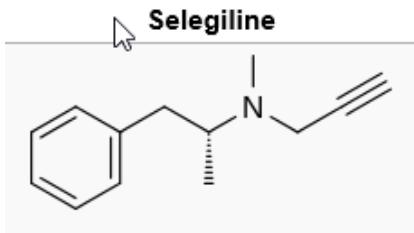
2-MAPB is the third (N-methyl-2-aminopropyl)benzofuran isomer to be notified to the EU EWS. The 4- and 6- isomers (both substituted on the phenyl side of the ring system) have been reported in January and September 2013, respectively. 2-MAPB was identified in a sample of 3.66 grams of beige powder, also seized by Police in Västerås on 10 October 2013. The effect of substitution on the furan side of the ring system is not known.

Botched synthesis or a viable substitution?

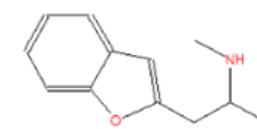
- From Wikipedia:
- BPAP (along with another similar compound PPAP) is classified as a catecholaminergic and serotonergic activity enhancer. This means that it stimulates the impulse propagation mediated transmitter release of the neurotransmitters dopamine, norepinephrine and serotonin in the brain. However, unlike stimulant drugs like amphetamine, which release a flood of these neurotransmitters in an uncontrolled manner, BPAP instead only increases the amount of neurotransmitter that gets released when a neuron is stimulated by receiving an impulse from a neighbouring neuron. So while both amphetamine and BPAP increase the amount of neurotransmitters that get released, amphetamine causes neurons to dump neurotransmitter stores into the synapse regardless of external input, while with BPAP the pattern of neurotransmitter release is not changed, but when the neuron would normally release neurotransmitter, a larger amount than normal is released.[4][5]



# 2-MAPB delovanje, uvrstitev?



BPAP



2-MAPB

- 2-MAPB je nova psihoaktivna substanca za katero nismo zasledili ustrezne študije o njenem biološkem delovanju.
- 2-MAPB ima zelo podobno molekulsko strukturo kot BPAP iz česar lahko sklepamo, da potencialno lahko izzove enak/ podoben biološki odgovor kot BPAP za katerega študije potrjujejo, da deluje enako oziroma podobno kot selegelin.
- Selegelin je naveden v Listi prepovedanih snovi in postopkov 2015 svetovnega protidopinškega kodeksa v razredu S6. b..
- V razred S6. b se uvrstijo tudi substance s podobno molekulsko strukturo ali podobnim biološkim učinkom kot tiste, ki so v S6. b. navedene.
- Iz tega sledi, da bi bilo substanco 2-MAPB možno uvrstiti v razred S6. b. Liste prepovedanih snovi in postopkov 2015, vendar bi za nedvoumno uvrstitev potrebovali študije, ki nam trenutno niso poznane.



# VAE emulzoidni prah ali NPS?

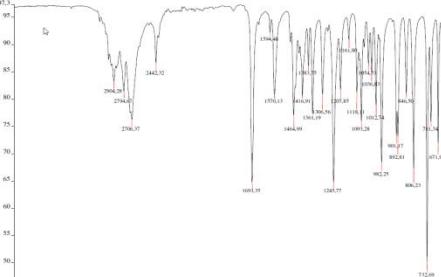
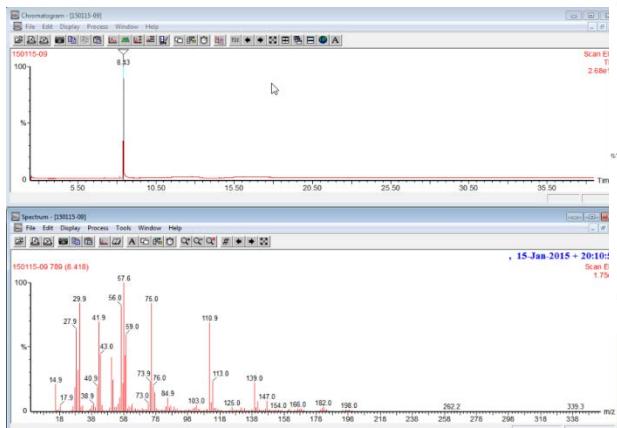
| ZAPISNIK O ODVZEMU VZORCA BLAGA                             |  | Pril.:<br>Vred.: |
|---|--|------------------|
| Trgovsko ime z računa                                       | Sample of vae emulzoid powder  |                  |
| Številka EUL (MRN)  |  |                  |
| Postavka  | 1  |                  |
| Deklarant   |  |                  |
| Prejemnik   |  |                  |
| Tarifna oznaka iz polja 33 EUL                              | 3824 90 96 99  |                  |
| Opis vzorca (vitez, oblika pakiranja, odvzet iz, opozorila) | Prozorna PVC vrečka v kateri je cca 100 gm umazano bele snovi v obliki kristalov       |                  |
| Vzorec odvzet za  | GFU;   |                  |
| Odvzeta količina za posamezen vzorec                        | 1 kos  |                  |
| Razlogi za zahtevanje mnenja                                | Sum na poizkus uvoza prepovedanih substanc.<br>Preverjanje pravilnosti uvrstitev v KN. |                  |
| Carinske oznake / številka zalivke                          | carinski žig   |                  |
| Datum in ura odvzema vzorcev                                | 02.01.2015 ob 00:37:00   |                  |
| Priloge   |  |                  |
| Vzorec je treba po končanem postopku vrniti                 | DA   |                  |
| Opombe  | Elektronska naprava SABRE 4000 je nakazala prisotnost narkotikov (LSD).                |                  |

- VAE Emulsion
- VAE-371 is an aqueous non-plasticized milky white emulsion synthesized from vinyl acetate and Ethylene.

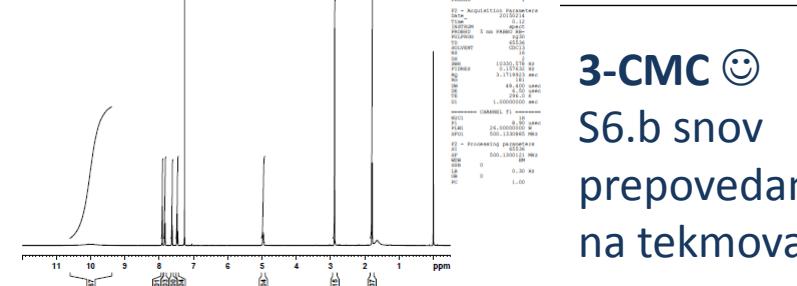
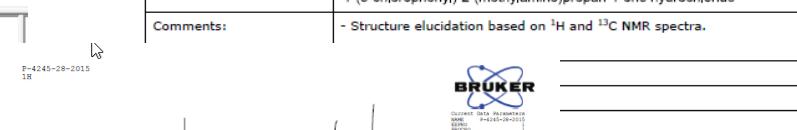
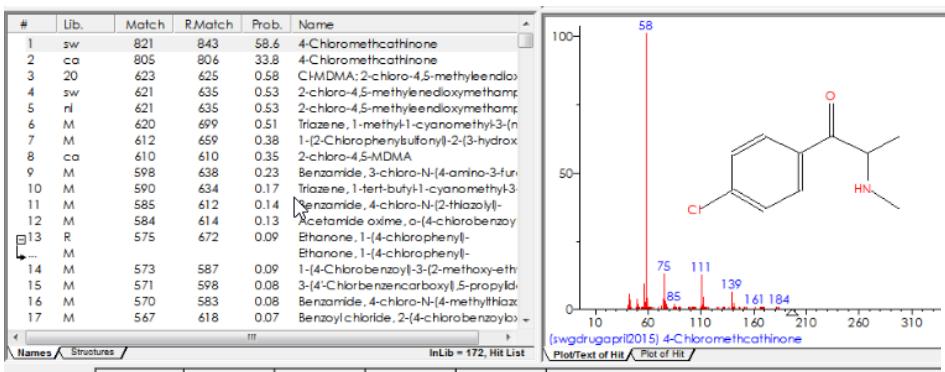




# 1-(4-klorofenil)-2-(metilamino)propan-1-on (4-CMC, klefedron) ali 1-(3-klorofenil)-2-(metilamino)propan-1-on (3-CMC, klofedron)?



|  |   |
|--|---|
| e ID:                                  | <b>CARINA 42545-28/2015</b>   |
| Entered date:                          | February 12, 2015   |
| Textbook code:                         | P-42545-28-2015   |
| NMR sample preparation:                | 5 mg dissolved in 0.7 mL $\text{CDCl}_3$  |
| NMR experiments:                       | $^1\text{H}$ , $^{13}\text{C}$  |
| Proposed structure with chemical name: | <chem>CC(C(=O)Nc1ccc(Cl)cc1)c2ccccc2</chem><br>1-(3-chlorophenyl)-2-(methylamino)propan-1-one hydrochloride |
| Comments:                              | - Structure elucidation based on $^1\text{H}$ and $^{13}\text{C}$ NMR spectra.                              |



**3-CMC** ☺  
**S6.b snov**  
 prepovedana  
 na tekmovanju



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MINISTRSTVO ZA FINANCIJE  
FINANČNA UPRAVA REPUBLIKE  
SLOVENIJE



# Izzivi poslanstva?

Hvala sodelavcem Nacionalnega forenzičnega laboratorija in Fakultete za kemijo in kemijsko tehnologijo



Hvala za pozornost