THE ROLE OF THE NATIONAL FORENSIC LABORATORY IN THE SLOVENIAN EWS AND WIDER – RESPONSE AND I-SEE PROJECTS

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1. INTRODUCTION

The National Forensic Laboratory (NFL) is an independent organisational unit of the General Police Directorate. The NFL guarantees reliability of its examinations by means of the quality assurance system along the ISO/IEC 17025 standard for testing and calibration laboratories. The NFL (Chemistry department) performs qualitative (identification) and a limited scope of quantitative analyses of practically all drug samples - including precursors and new psychoactive substances (NPS) seized by the police, in prisons, at customs as well as samples collected by NGOs for anonymous testing. For certain seized drugs NFL also performs regular annual monitoring. In general the Chemistry department performs examinations of different material traces (drugs, arsons, explosives, paints, security dyes etc.).

2. NFL in SI EWS

In the framework of the Slovenian “Early warning system on new psychoactive substances”:

• identify NPS, related compounds and classical drugs
• keeps internal database of all seized NPS samples delivered for analysis
• informs domestic stakeholders and NGOs and public when needed
• performs regular annual monitoring on drugs purities for the Report on the Drug Situation of the Republic of Slovenia,
• analytical results provided by NFL always represent a significant part of the reports delivered by the Republic of Slovenia to international institutions (UNODC and EMCDDA) and to EUROPOL via the national ENU contact point, where relevant.
• report and share the knowledge and information within EWS, ENFSI and via POLICE structures
• develops new methods of chemical characterizations to enhance the capacities of NFL and SI EWS

3. PROJECTS "RESPONSE" AND "I-SEE"

To enhance “identification” capacities and to support SI EWS system better NFL currently coordinates the RESPONSE project [1], which was designed such that identification of new (previously unknown) NPSs (seized, collected and test purchased samples) is enabled. NFL is also a partner in I-SEE project [2], where it provides chemical characterizations of new psychoactive substances “anonymously collected” by NGOs (non-governmental organizations) by its routine accredited methods.

3.1. RESPONSE

- Sample collected at NGO point in LJ: Information from anonymous user:
- Sample purchased from web as DPT
- Delivered to NFL for chemical characterizations by the POLICE-NGO correspondent
- Ehrlich reagent. Tryptamines positive

Name: 2-(1H-indol-3-yl)-N,N-dipropylacetamide
FORMULA: C16H22N2O
Mw: 258.37

3.2. I-SEE

- TDF: Proposed formula C16H22N2O
- NMR structure elucidation

4. RESULT: JOINED REPORT of two projects (RESPONSE + I-SEE)

References
[1] ENSAFE Response, Civilian, Anonymouse Information - 12th 2016, Bled, Slovenia
[2] ENFSI Project Title - Response, Grant agreement no: JUST/2013/ISEC/DRUGS/AG/6426; I-SEE - See Project - Response, Grant agreement no: JUST/2013/ISEC/DRUGS/AG/6413; anonymouslly collected” by NGOs

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Suspected compound: yes or no?

Formulas: C16H22N2Mw: 244.38 g/mol

Peak at 1627 cm⁻¹ indicative for -COOH group

(2-(1H-indol-3-yl)-dipropylamine

Slovenia