I-SEE
European Project
on New Psychoactive Substance

Co-funded by the Prevention of and Fight against Crime Programme of the European Union
JUST/2013/ISEC/DRUGS/AG/6426

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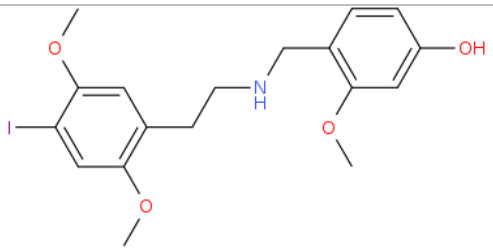
ANALYTICAL REPORT

25I-NBOMe-metabolite (C18H22INO4)

4-({[2-(4-iodo-2,5-dimethoxyphenyl)ethyl]amino}methyl)-3-methoxyphenol

Remark – other active cpd. detected: none

Sample ID:	1656-16
Sample description:	powder - white
Sample type:	RM-reference material
Comments[1]:	ChironLot#17223; I-SEE project RM and report; GC-RT and MS spectrum refer for acetyl derivative of compound, non dervatized compound decomposed to 2C-I
Date of entry:	10/27/2016

Substance identified-structure[2] (base form)	
Systematic name:	4-({[2-(4-iodo-2,5-dimethoxyphenyl)ethyl]amino}methyl)-3-methoxyphenol
Other names:	2C-I-NBOMe-M1
Formula (per base form)	C18H22INO4
M_w (g/mol)	443,28
Salt form:	HCl
StdInChIKey	SOVZUKWDXFGFTI-UHFFFAOYSA-N
Compound Class	Phenethylamines
Other active cpd. detected	none
Add.info (purity..)	93,5 %

[1] 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/6426). The contents of this report are the sole responsibility of the National Forensic Laboratory and can in no way be taken to reflect the views of the European Commission.

[2] Created by OPSIN free tool: http://opsin.ch.cam.ac.uk/ **DOI:** 10.1021/ci100384d

Report updates

date	comments (explanation)

Supporting information

Analytical technique:	applied	remarks
GC-MS (EI ionization)	+	NFL GC-RT (min): 17,02 BP(1): 137; BP(2): 290,BP(3) :179,
FTIR-ATR	+	
GC-IR (condensed phase)	-	

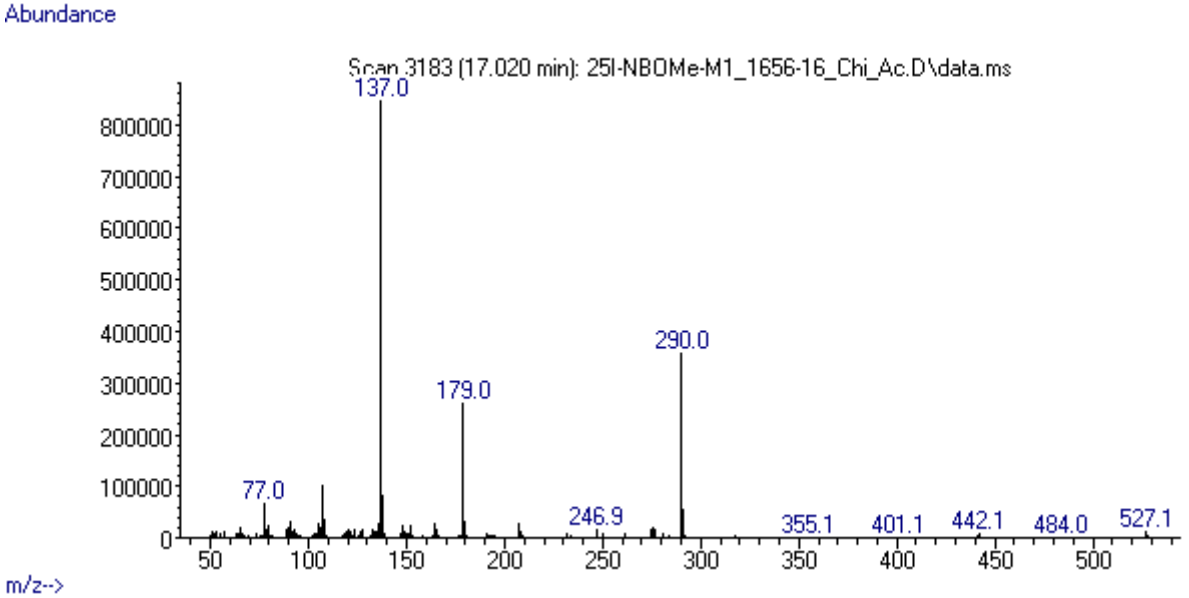
1. GC-MS (Agilent): GC-method is RT locked to tetracosane (9.258 min). Injection volume 1 ml and split mode (1:50). Injector temperature: 280 0C. Chromatographic separation: on column HP1-MS (100% dimethylpolysiloxane), length 30 m, internal diameter 0.25 mm, film thickens 0.25 µm. Carrier gas He: flow-rate 1.2 ml/min. GC oven program: 170 ^{0}C for 1 min, followed by heating up to 190 ^{0}C at rate 8 ^{0}C/min, then heating up to 293 0C at a rate of 18 ^{0}C/min, hold for 6.1 min, then heating at 50 ^{0}C/min up to 325 ^{0}C and finally 6.1 min isothermal. MSD source EI = 70 eV. GC-MS transfer line T= 235^{0}C, source and quadropole temperatures 280^{0}C and 180^{0}C, respectively. Scan range m/z scan range: from 50 (30 until 6 min.) to 550 (300 until 6 min) amu.

2. FTIR-ATR (Perkin Elmer): scan range 4000-400 cm^{-1}; resolution 4cm^{-1}

3. GC- (MS)-IR condensed phase (GC-MS (Agilent) & IR (Spectra analyses-Danny)
GC-method: Injection volume 1 ml and split mode (1:5). Injector temperature 280 ^{0}C. Chromatographic separation as above **(1).** Split MS : IR = 1 : 9.
MSD source EI = 70 eV. GC-MS transfer line T= 235^{0}C, source and quadropole temperatures 280^{0}C and 180^{0}C, respectively. Scan range m/z scan range: from 50 (30 until 6 min.) to 550 (300) amu.
IR (condesed (solid) phase): IR scan range 4000 to 650, resolution 4 cm^{-1}.

FIGURES OF SPECTRA

MS (EI) of acetyl derivative



FTIR-ATR (direct measurement)