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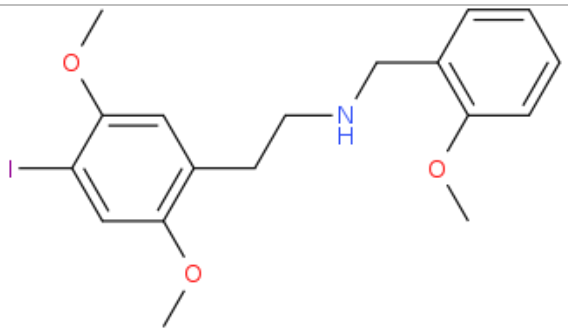
ANALYTICAL REPORT

25I-NBOMe (C18H22INO3)

2-(4-iodo-2,5-dimethoxyphenyl)-N-[(2-methoxyphenyl)methyl]ethanamine

Remark – other active cpd. detected: none

Sample ID:	1589-16
Sample description:	crystalinic - white
Sample type:	RM-reference material
Comments[1]:	Chiron AS Lot#16276; RESPONSE -purchasing
Date of entry:	5/19/2016

Substance identified-structure[2] (base form)	
Systematic name:	2-(4-iodo-2,5-dimethoxyphenyl)-N-[(2-methoxyphenyl)methyl]ethanamine
Other names:	2C-I-NBOMe, Cimbi5
Formula (per base form)	C18H22INO3
M_w (g/mol)	427.28
Salt form:	hydrochloride
StdInChIKey	ZFUOLNAKPBFDIJ-UHFFFAOYSA-N
Compound Class	Phenethylamines
Other active cpd. detected	none
Add.info (purity..)	99,5 %

[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/6413). 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): 11.23 BP(1): 121; BP(2): 150,BP(3) :91,
FTIR-ATR	+	direct measurement
GC-IR (condensed phase)	+	always as base form

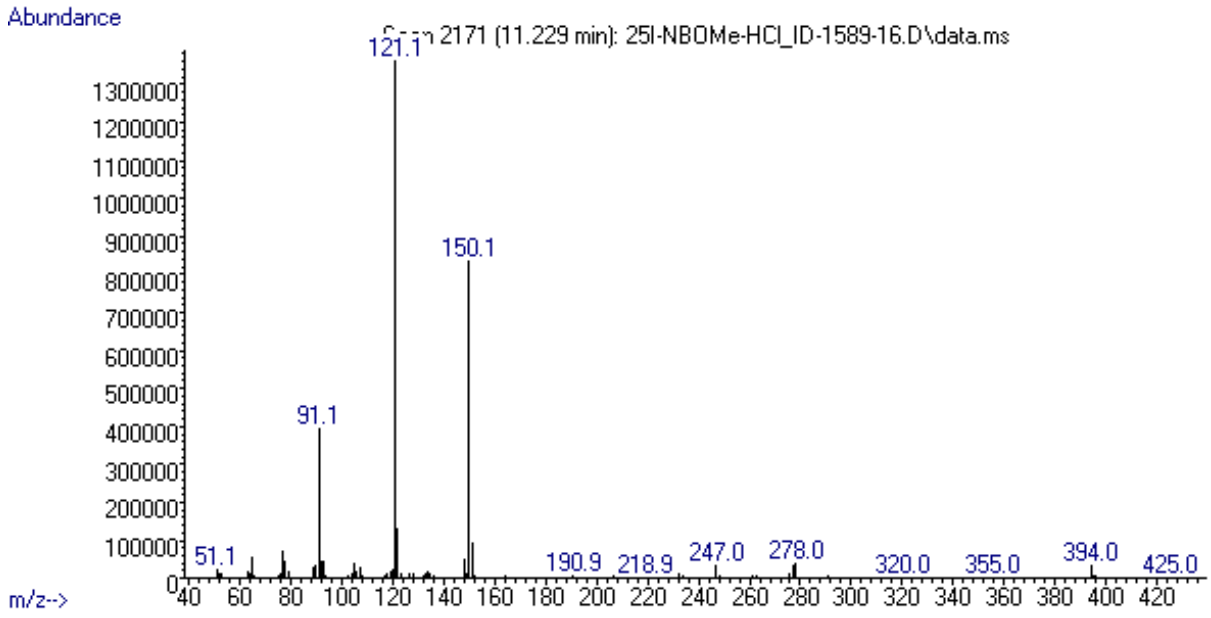
GC-MS (Agilent):
GC-method is RT locked to tetracosane (RT=9.53 min).
Injection volume 1 ml and split mode (1:50) .
Injector temperature: 280 ^{0}C.
Chromatographic separation
Column: HP1-MS (100% dimethylpolysiloxane), length 30 m, internal diameter 0.25 mm, film thickens 0.25 mm.
Carrier gas He: flow-rate 1.2 ml/min. GC oven program: 170 ^{0}C for 1 min, followed by heating up to 293 ^{0}C at a rate of 18 ^{0}C/min, hold for 6.1 min, than heating at 50 ^{0}C/min up to 325 ^{0}C and finally 2.8 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) amu.

FTIR-ATR (Perkin Elmer): scan range 4000-400 cm-1; resolution 4cm-1

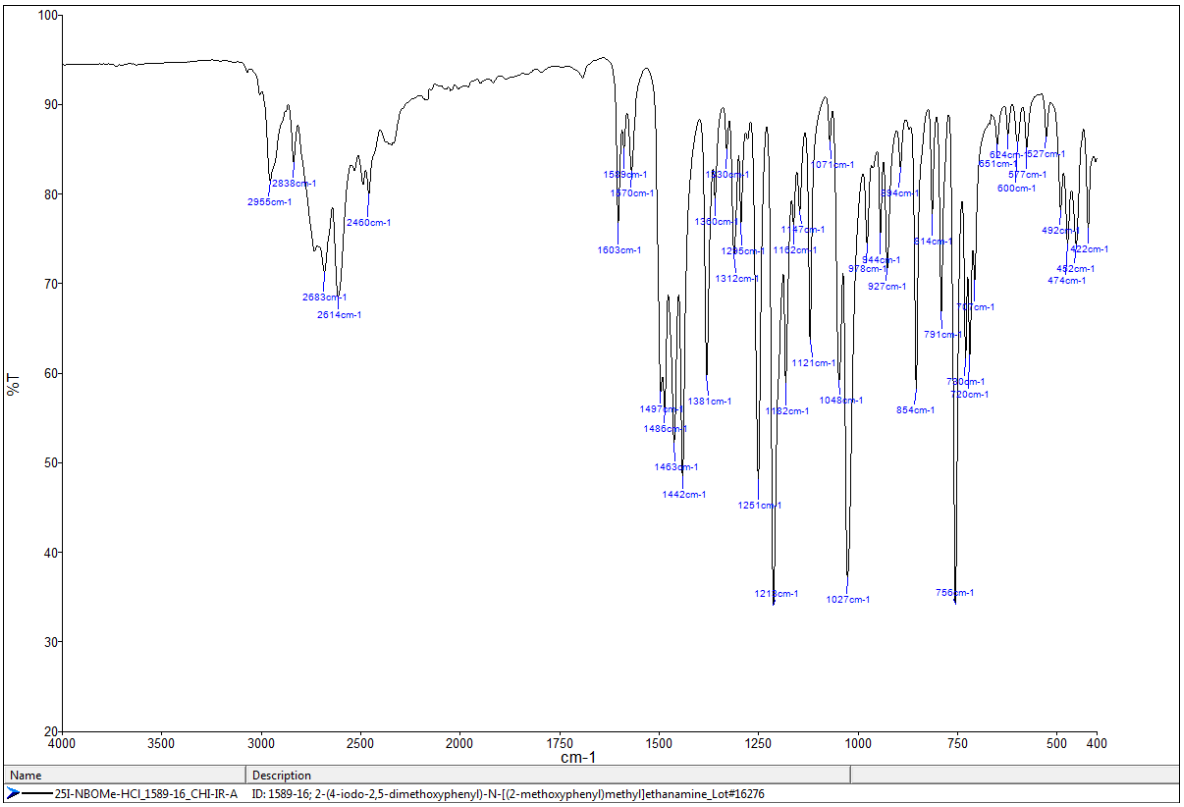
GC- (MS)-IR condensed phase (GC-MS (Agilent) & IR (Spectra analyses-Danny) IR scan range 4000 to 700, resolution 4cm-1
GC-method:
Injection volume 1 ml and split mode (1:5) .
Injector temperature: 280 ^{0}C.
Chromatographic separation
Column: HP1-MS (100% dimethylpolysiloxane), length 30 m, internal diameter 0.25 mm, film thickens 0.25 mm.
Carrier gas He: flow-rate 1.2 ml/min. GC oven program: 170 ^{0}C for 1 min, followed by heating up to 293 ^{0}C at a rate of 18 ^{0}C/min, hold for 6.1 min, than heating at 50 ^{0}C/min up to 325 ^{0}C and finally 2.8 min isothermal.
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 phase): IR scan range 4000 to 700, resolution 4cm-1

FIGURES OF SPECTRA

MS (EI)



FTIR-ATR



IR-Condensed phase