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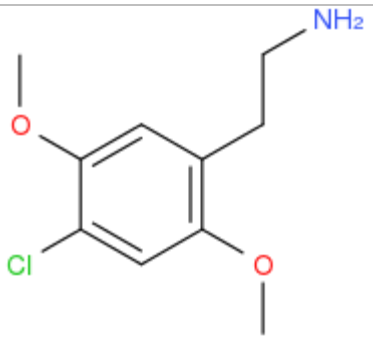
ANALYTICAL REPORT

2C-C (C10H14ClNO2)

1-(4-Chloro-2,5-dimethoxyphenyl)-2-aminoethane

Remark – other NPS detected: none

Sample ID:	1109-14A
Sample description:	powder - white
Sample type:	RM-reference material
Comments:	NMI Australia Lot#13-D-27NMI Australia Lot#13-D-27
Date of entry:	7/29/2015

Substance identified-structure[i] (base form)	
Systematic name	1-(4-Chloro-2,5-dimethoxyphenyl)-2-aminoethane
Other names	
Formula (per base form)	C10H14ClNO2
M_w (g/mol)	215,68
Salt form	HCl
Smiles	ClC1=CC(=C(CCN)C=C1OC)OC
Compound Class	Phenethylamines
Other NPS detected	none
Add.info (purity..)	98,50%

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.

Supporting information

Analytical technique:	applied	remarks
GC-MS (EI ionization)	+	NFL GC-RT (min): 5,23 BP(1): 186; BP(2): 171,BP(3) :77,
FTIR-ATR	+	
FTIR (condensed phase) always as base form		pending

GC-MS (Agilent): GC-method is RT locked to tetracosane (RT=9.53 min). Injection volume 1 ml and split mode (1:50)for GC-MS instruments and 1:5 for GC-MS-FTIR(condensed phase). Injector temperature: 280 ^{0}C. 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. m/z scan range: from 50 (40) to 550 amu.
FTIR-ATR (Perkin Elmer): scan range 4000-400 cm-1; resolution 4cm-1
FTIR (Spectra analyses-Danny): scan range 4000 to 700, resolution 4cm-1

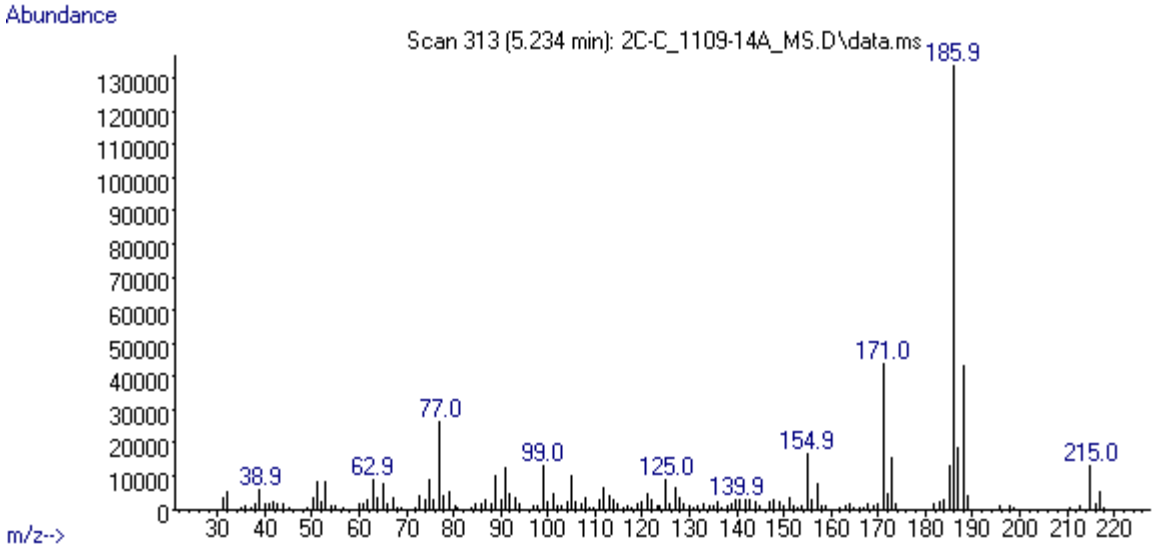


Figure 1: GC-MS spectrum

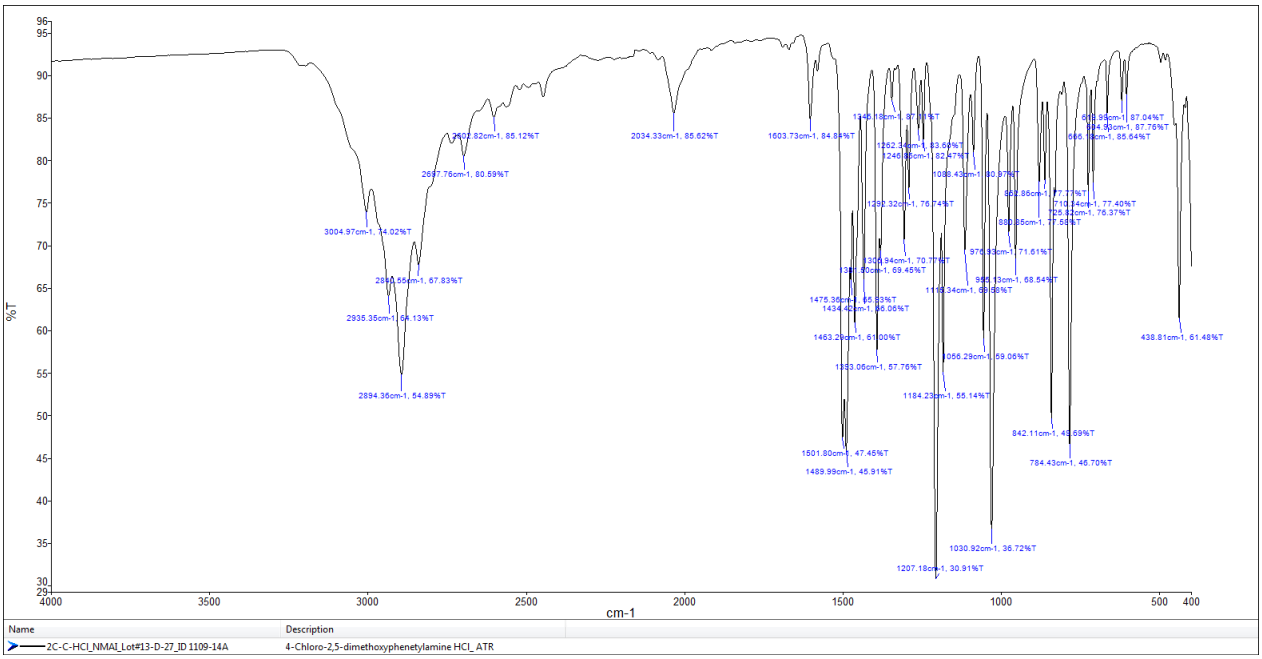


Figure 2: FTIR ATR

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