

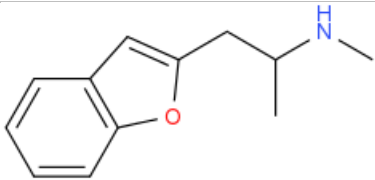


ANALYTICAL REPORT

2-MAPB (C₁₂H₁₅NO)

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

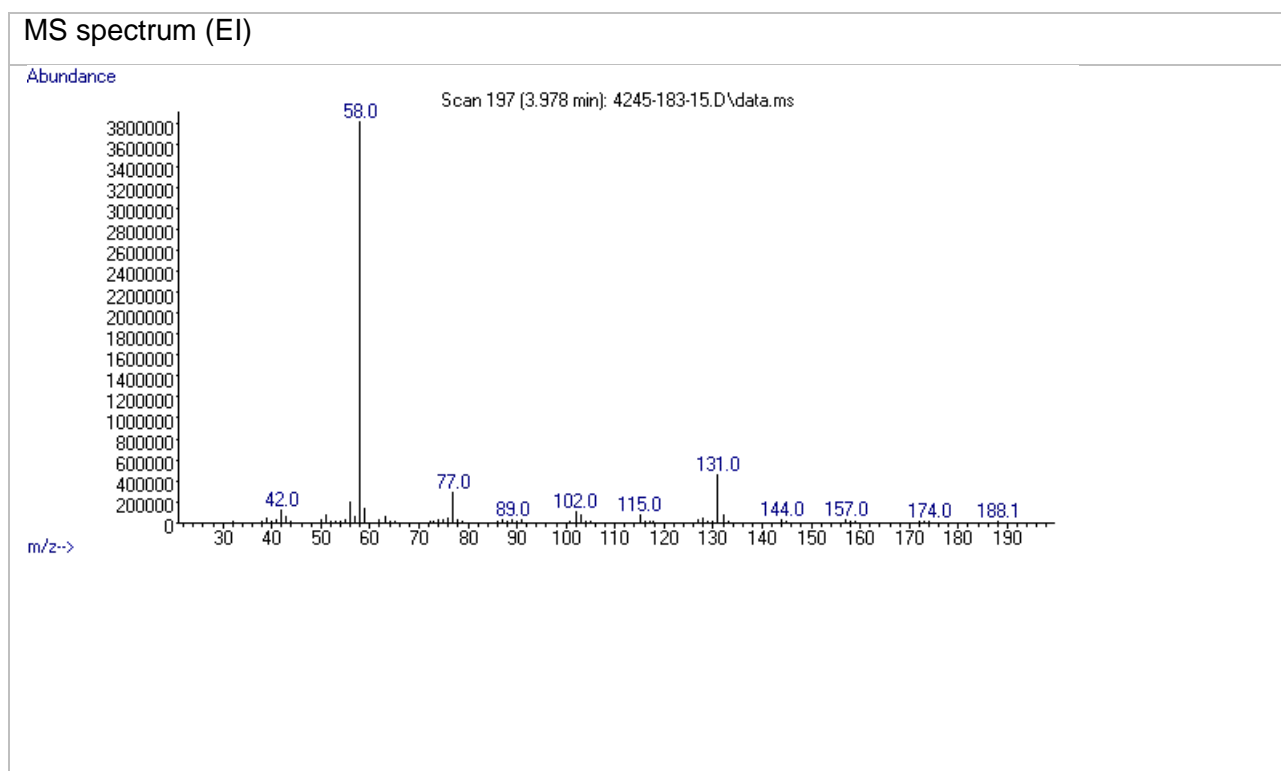
Sample ID:	4245-183/2015
Sample description:	powder
Analyses/ report (date):	3/ MAREC 2015
Sample type:	S-seized

Substance identified- structure ⁱ	
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 ₁₂ H ₁₅ NO
M _w (g/mol)	189,24
Salt form	HCl
Other compounds detected	none
Smiles	<chem>O1C(=CC2=C1C=CC=C2)CC(C)NC</chem>
Compound Class	Arylalkylamines

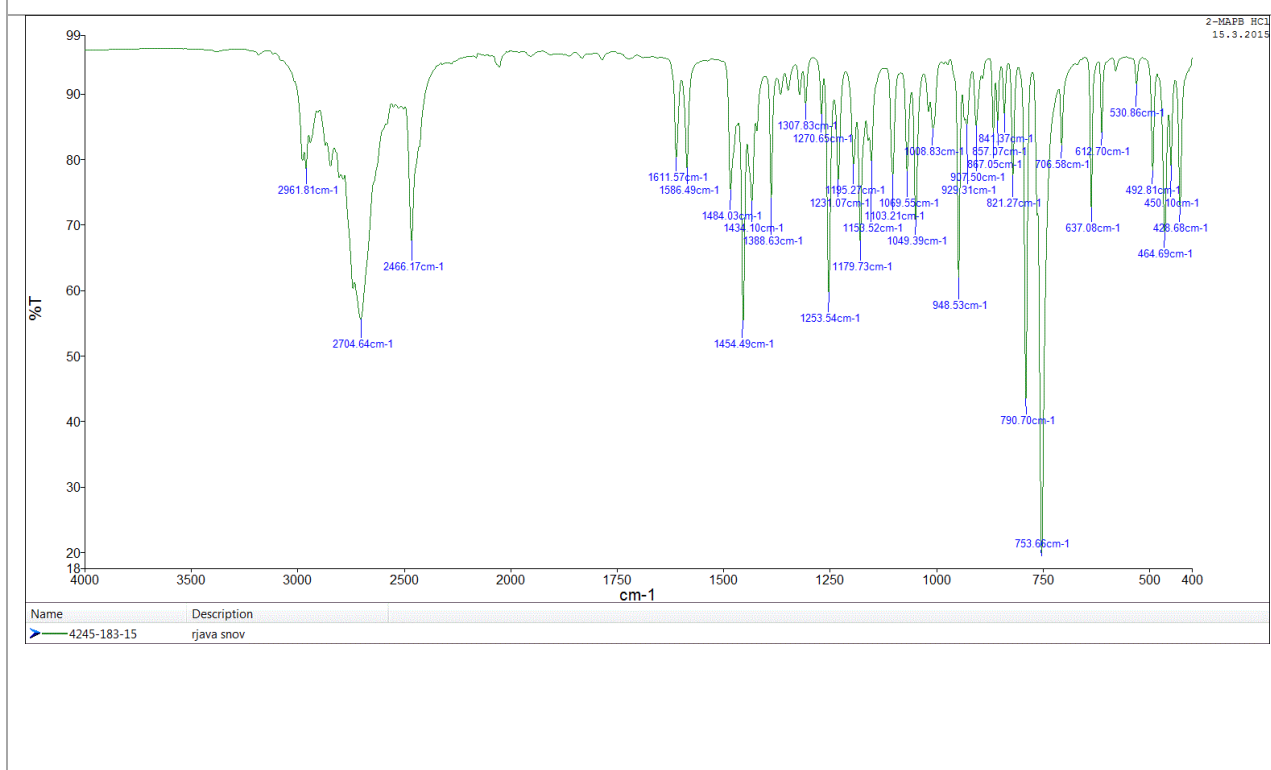
This report has been produced with the financial support of the Prevention of and fight against crime Programme of the European Union (grant agreement number JUST/2013/ISEC/DRUGS/AG/6413). The contents of this report are the sole responsibility of the National Forensic Laboratory and can in no way be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

Supporting information

Analytical technique:	applied	remarks
GC-MS	+	extracted in CH ₂ Cl ₂
FTIR-ATR	+	direct measurement
FTIR (condensed phase)		
HPLC-TOF	-	
NMR-confirmed	+	
validation		
other		



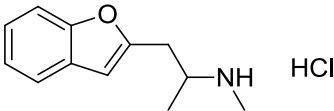
FTIR - ATR



ⁱ Created by OPSIN free tool: <http://opsin.ch.cam.ac.uk/> DOI: 10.1021/ci100384d



REPORT

Sample ID:	4245-183/2015
Received date:	March 3, 2015
Our notebook code:	P-4245-183-2015
NMR sample preparation:	15 mg dissolved in 0.7 mL DMSO- d_6
NMR experiments:	^1H , ^{13}C , ^1H - ^1H <i>gs</i> -COSY, ^1H - ^{13}C <i>gs</i> -HSQC, ^1H - ^{13}C <i>gs</i> -HMBC, ^1H - ^{15}N <i>gs</i> -HMBC, ^1H - ^1H NOESY
Proposed structure with chemical name:	 <p>1-(benzofuran-2-yl)-<i>N</i>-methylpropan-2-amine hydrochloride</p>
Comments:	<ul style="list-style-type: none"> - Structure elucidation based on 1D and 2D NMR spectra - Compound is pure by NMR
Supporting information:	Copies of ^1H and ^{13}C NMR spectra
Author:	Prof. Dr. Janez Košmrlj
Date of report:	March 13, 2015

P-4245-183-2015
1H

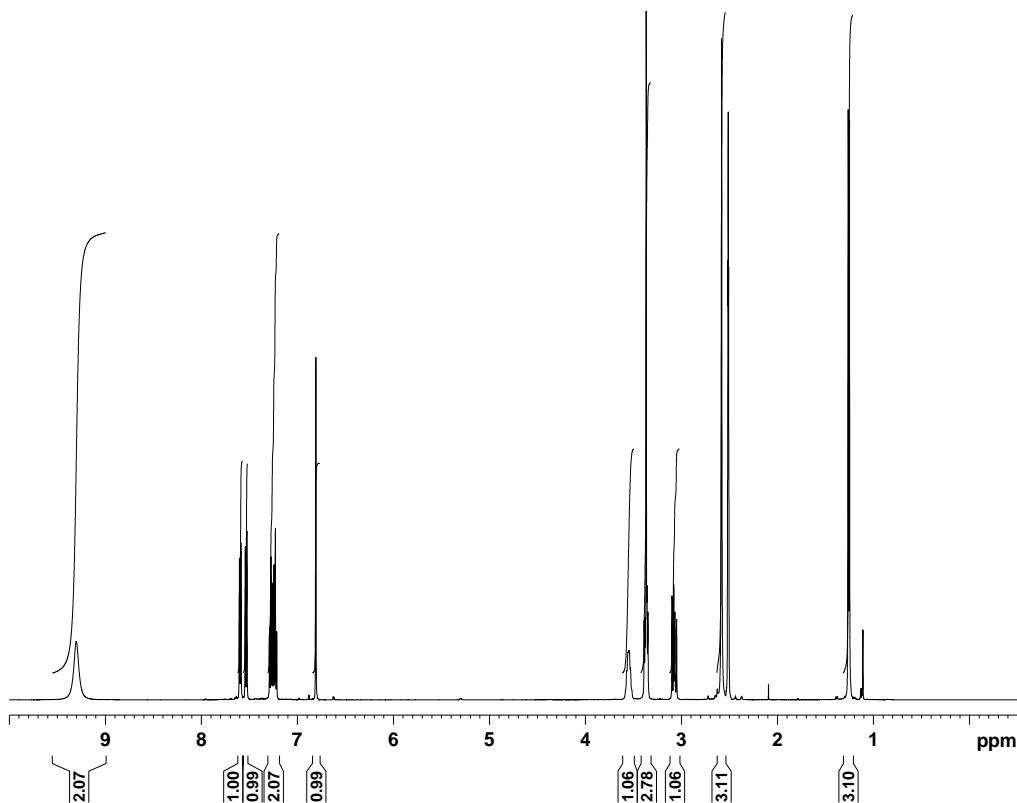


Current Data Parameters
NAME P-4245-183-2015
EXFNO 1
PROCNO 1

F2 - Acquisition Parameters
Date 20150307
Time 13.57
INSTRUM spect
PROBHD 5 mm FAPBO BB-
FULPROG zg30
TD 65536
SOLVENT DMSO
NS 16
DS 2
SWH 10330.578 Hz
FIDRES 0.157632 Hz
AQ 3.1719923 sec
RG 90.5
DW 48.400 usec
DE 6.50 usec
TE 296.0 K
D1 1.00000000 sec

===== CHANNEL f1 =====
NUC1 1H
P1 8.90 usec
PLW1 26.00000000 W
SF01 500.1330885 MHz

F2 - Processing parameters
SI 65536
SF 500.1330000 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00



P-4245-183-2015
13C



Current Data Parameters
NAME P-4245-183-2015
EXFNO 2
PROCNO 1

F2 - Acquisition Parameters
Date 20150307
Time 15.18
INSTRUM spect
PROBHD 5 mm FAPBO BB-
FULPROG zgpg30
TD 65536
SOLVENT DMSO
NS 2048
DS 4
SWH 29761.904 Hz
FIDRES 0.454131 Hz
AQ 1.1010548 sec
RG 2050
DW 16.800 usec
DE 6.50 usec
TE 296.0 K
D1 1.00000000 sec
D11 0.03000000 sec

===== CHANNEL f1 =====
NUC1 13C
P1 9.00 usec
PLW1 122.00000000 W
SF01 125.7703637 MHz

===== CHANNEL f2 =====
CPDPRG2 waltz16
NUC2 1H
PCPD2 80.00 usec
PLW2 26.00000000 W
PLW12 0.32179001 W
PLW13 0.20595001 W
SF02 500.1320005 MHz

F2 - Processing parameters
SI 32768
SF 125.7578490 MHz
WDW EM
SSB 0
LB 1.00 Hz
GB 0
PC 1.40

