ANALYTICAL REPORT

3F-phenmetrazine (crystal), (C11H14FNO)

Remark – other NPS detected: none

<table>
<thead>
<tr>
<th>Sample ID:</th>
<th>1173-15</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sample description:</td>
<td>crystal - white</td>
</tr>
<tr>
<td>Sample type:</td>
<td>P - purchased</td>
</tr>
<tr>
<td>Date of entry:</td>
<td>5/13/2015</td>
</tr>
</tbody>
</table>

Substance identified-structure (base form)

Systematic name: 2-(3-fluorophenyl)-3-methylmorpholine

Other names: 3-FMP

Formula (per base form): C11H14FNO

M_w (g/mol): 195.23

Salt form: HCl

Smiles: FC=1C=C(C=CC1)C1OCNC1C

Compound Class: Others

Other NPS detected: none

Add.info (purity..): pure

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Supporting information

<table>
<thead>
<tr>
<th>Analytical technique</th>
<th>applied</th>
<th>remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>GC-MS (EI ionization)</td>
<td>+</td>
<td>BP(1): 71; BP(2): 42, BP(3): 56</td>
</tr>
<tr>
<td>FTIR-ATR</td>
<td>+</td>
<td>HCl</td>
</tr>
<tr>
<td>FTIR (condensed phase)</td>
<td>/</td>
<td>pending</td>
</tr>
<tr>
<td>HPLC-TOF</td>
<td>+</td>
<td>Exact mass: 195,1059, measured/ Δppm: -3.76; formula: C11H14FNO</td>
</tr>
<tr>
<td>NMR-confirmed</td>
<td>+</td>
<td>validation</td>
</tr>
<tr>
<td>other</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

MS spectrum (EI)

![MS spectrum graph]

Average: 3.475 to 3.485 min.; 3F-phenmetrazine (crystal)
Target Compound Screening Report

Data File: 3-FPM-crystal_ID_1173-15-TOF.d
Sample Name: 3-FPM
Sample Type: Sample
Position: P1-F6
Instrument Name: SG13170002
Acq Method: droge general-2-4-2015-XDB-C18-ESI-poz.m
Acquired Time: 4/10/2015 9:48:57 AM
IRM Calibration Status: Success
DA Method: Droge_Default.m
User Name: 

Comment: crystal form, extract in MeOH

<table>
<thead>
<tr>
<th>Label</th>
<th>Tgt Name</th>
<th>MFG Formula</th>
<th>Tgt Formula</th>
<th>Obs. Rt</th>
<th>Obs. Mass</th>
</tr>
</thead>
</table>

Name: 3-FMP_ID_1172-15
Obs. m/z: 196.1138
Obs. RT: 4.224
Obs. Mass: 195.1065
DB RT: 4.211
DB Formula: C11 H14 F N O
DB Mass Error: -2.96
Tgt Formula: C11 H14 F N O
Find Cps Algorithm: Find by Molecular Feature

--- End Of Report ---
# REPORT

<table>
<thead>
<tr>
<th>Sample ID:</th>
<th><strong>1173-15</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Our notebook code:</td>
<td>P-1173-15</td>
</tr>
<tr>
<td>NMR sample preparation:</td>
<td>15 mg dissolved in 0.7 mL CDCl₃</td>
</tr>
<tr>
<td>NMR experiments:</td>
<td>¹H</td>
</tr>
</tbody>
</table>
| Proposed structure with chemical name: | ![Structure](image)

2-(3-fluorophenyl)-3-methylmorpholine hydrochloride

<table>
<thead>
<tr>
<th>Comments:</th>
</tr>
</thead>
<tbody>
<tr>
<td>- Structure confirmed by comparing ¹H NMR spectra with that of 1172-15 (P-1172-15)</td>
</tr>
<tr>
<td>- Compound is pure by NMR</td>
</tr>
<tr>
<td>Supporting information:</td>
</tr>
<tr>
<td>Copy of ¹H spectrum</td>
</tr>
<tr>
<td>Author:</td>
</tr>
<tr>
<td>Prof. Dr. Janez Košmrlj</td>
</tr>
<tr>
<td>Date of report:</td>
</tr>
<tr>
<td>April 30, 2015</td>
</tr>
</tbody>
</table>

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Current Data Parameters

NAME        P-1173-15
EXPN       20
PROCNO       1

F2 - Acquisition Parameters

Date_          20150423
Time          23.15
INSTRUM         spect
PROBHD      5 mm PABBO BB-
POLPROG      zg30
TD              65536
NS              16
DS              2
DM  10330.578 Hz
F2RES      0.157632 Hz
AQ          3.1719923 sec
RG               181
DM          48.400 usec
ER              3.10 usec
DR              29.0 usec
D1          1.00000000 sec

======== CHANNEL f1 ========

NUC1                1H
P1             8.90 usec
PLW1         26.00000000 W
SFO1    500.1330885 MHz

F2 - Processing parameters

SI            65536
SF       500.1300120 MHz
NDW            EM
LB         0.30 Hz
NB            0
PC             1.00