ANALYTICAL REPORT

6-IT (C11H14N2)

1-(1H-indol-6-yl)propan-2-amine

Remark – other active cpd. detected: none

Sample ID: 1644-16
Sample description: powder - brown
Sample type: RM-reference material
Comments: CAY Lot#0445439
Date of entry: 9/22/2016

Substance identified-structure (base form)

Systematic name: 1-(1H-indol-6-yl)propan-2-amine

Other names:
- [2-(1H-Indol-6-yl)-1-methylethyl]amine;
- [2-(1H-Indol-6-yl)-1-methylethyl]amine;
- 6-Aminopropylindole;
- alpha-methyl-1H-indole-6-ethanamine

Formula (per base form) C11H14N2

Mw (g/mol) 174.25
Salt form: base
StdInChIKey QCFIFKAOUKPFP-UHFFFAOYSA-N

Compound Class Arylalkylamines

Other active cpd. detected none
Add.info (purity..) 98 %

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

<table>
<thead>
<tr>
<th>date</th>
<th>comments (explanation)</th>
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Supporting information

<table>
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<tr>
<th>Analytical technique:</th>
<th>applied</th>
<th>remarks</th>
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<tbody>
<tr>
<td>GC-MS (EI ionization)</td>
<td>+</td>
<td>NFL GC-RT (min): 5.48 BP(1): 131; BP(2): 44, BP(3): 130,</td>
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<tr>
<td>FTIR-ATR</td>
<td>+</td>
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<tr>
<td>GC-IR (condensed phase)</td>
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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 °C. 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 °C for 1 min, followed by heating up to 190 °C at rate 8 °C/min, then heating up to 293 °C at a rate of 18 °C/min, hold for 6.1 min, then heating at 50 °C/min up to 325 °C and finally 6.1 min isothermal. MSD source EI = 70 eV. GC-MS transfer line T= 235°C, source and quadrupole temperatures 280°C and 180°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 °C. Chromatographic separation as above (1). Split MS : IR = 1 : 9. MSD source EI = 70 eV. GC-MS transfer line T= 235°C, source and quadrupole temperatures 280°C and 180°C, respectively. Scan range m/z scan range: from 50 (30 until 6 min.) to 550 (300) amu. IR (condensed (solid) phase): IR scan range 4000 to 650, resolution 4 cm⁻¹.