ANALYTICAL REPORT

5-MeO-N, N-DMT (C13H18N2O)

2-(5-methoxy-1H-indol-3-yl)-N,N-dimethylethanamine

Remark – other NPS detected: none

Sample ID: 610-06A
Sample description: powder - white
Sample type: RM-reference material
Comments: Sigma-Aldrich Lot#045K0956
Date of entry: 1/27/2006

Substance identified-structure (base form)

Systematic name 2-(5-methoxy-1H-indol-3-yl)-N,N-dimethylethanamine
Other names 5-methoxy-N,N-dimethyltryptamine
Formula (per base form) C13H18N2O
Mw (g/mol) 218.29
Salt form
Smiles COC=1C=C2C(=CNC2=CC1)CCN(C)C
Compound Class Indolalkylamines (fe tryptamines)
Other NPS detected none
Add.info (purity..) 99%
### 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>NFL GC-RT (min): 7,08 BP(1): 58; BP(2): 160, BP(3): 218,</td>
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<tr>
<td>FTIR-ATR</td>
<td>+</td>
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</table>

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 °C. Column: HP1-MS (100% dimethylpolysiloxane), length 30 m, internal diameter 0.25 mm, film thickness 0.25 mm. Carrier gas He: flow-rate 1.2 ml/min. GC oven program: 170 °C for 1 min, followed by heating up to 293 °C at a rate of 18 °C/min, hold for 6.1 min, than heating at 50 °C/min up to 325 °C and finally 2.8 min isothermal. MSD source EI = 70 eV. GC-MS transfer line T= 235°C, source and quadrupole temperatures 280°C and 180°C. m/z scan range: from 50 (40) to 550 amu.

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

FTIR (Spectra analyses-Danny): scan range 4000 to 700, resolution 4 cm⁻¹

**Figure 1:** GC-MS spectrum

![GC-MS spectrum](attachment:Scan_461_5.675min_5-MeO-N-N-DMT_610-06A_MS_D_data.ms)
Figure 2: FTIR ATR

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