

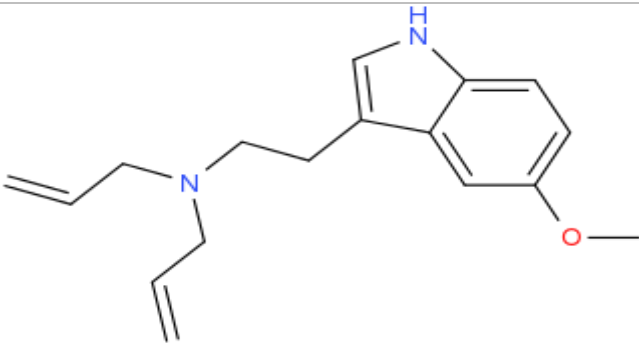
## ANALYTICAL REPORT

### 5-MeO-DALT (C<sub>17</sub>H<sub>22</sub>N<sub>2</sub>O)

#### N-allyl-N-[2-(5-methoxy-1H-indol-3-yl)ethyl]prop-2-en-1-amine

Remark – other NPS detected: **none**

Sample ID:	1108-14A
Sample description:	powder - white
Sample type:	RM-reference material
Comments:	LGC Lot#4080
Date of entry:	9/22/2014

Substance identified-structure <sup>i</sup> (base form)	
Systematic name	N-allyl-N-[2-(5-methoxy-1H-indol-3-yl)ethyl]prop-2-en-1-amine
Other names	N,N-diallyl-5-methoxytryptamine
Formula (per base form)	C <sub>17</sub> H <sub>22</sub> N <sub>2</sub> O
M <sub>w</sub> (g/mol)	270,37
Salt form	base
Smiles	C(C=C)N(CC=C)CCC1=CNC2=CC=C(C=C12)OC
Compound Class	Indolalkylamines (fe tryptamines)
Other NPS detected	none
Add.info (purity..)	99,50%

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## Supporting information

Analytical technique:	applied	remarks
GC-MS (EI ionization)	+	NFL GC-RT (min): 8,68 BP(1): 110; BP(2): 160,BP(3) :241,
FTIR-ATR	+	
FTIR (condensed phase) always as base form	: -)	coming soon

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 quadropole 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<sup>-1</sup>; resolution 4cm<sup>-1</sup>

FTIR (Spectra analyses-Danny): scan range 4000 to 700, resolution 4cm<sup>-1</sup>

Abundance

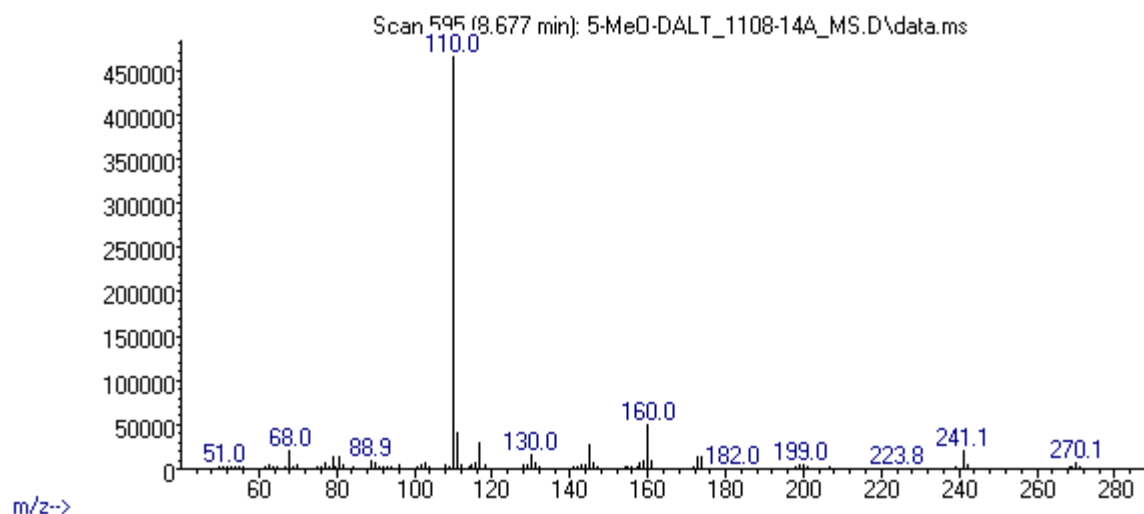
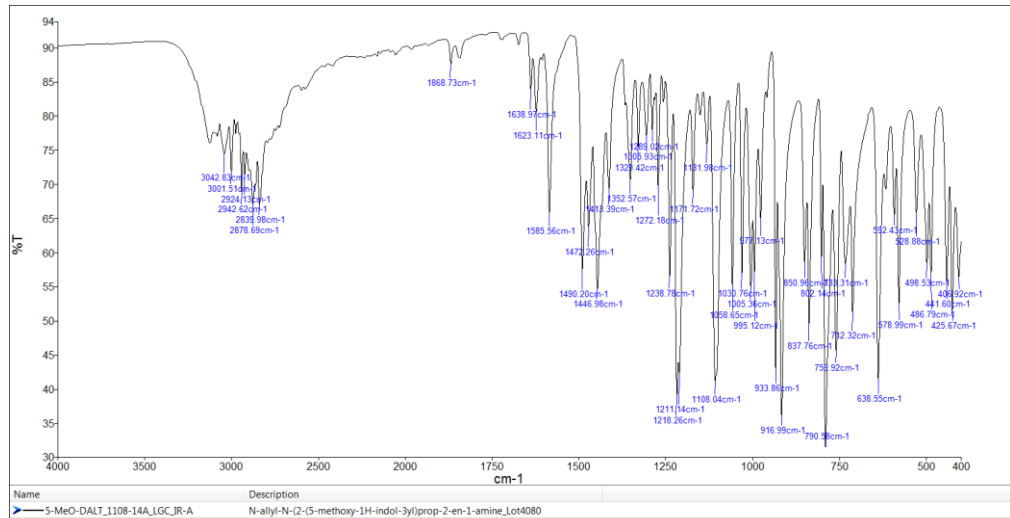


Figure 1: GC-MS spectrum



**Figure 2: FTIR ATR**

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