

# CERTIFICATE OF ANALYSIS

April 9, 2010

**COMPOUND NAME:** Naphthalen-1-yl(1-pentyl-1H-indol-3-yl)methanone

**COMPOUND DESCRIPTION:** Beige Solid

**LOT NUMBER:** [REDACTED]

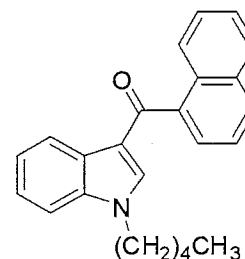
**LAST SOLVENT:** iPrOH

**FORMULA WEIGHT:** 341.45

**CHEMICAL FORMULA:** C<sub>24</sub>H<sub>23</sub>NO

**CAS NUMBER:** 209414-07-3

**PROJECT/PRODUCT NAME:** [REDACTED]



## <sup>1</sup>H-NMR:

Spectrometer Frequency: 400 MHz

Solvent: CDCl<sub>3</sub>

Spectrum: Consistent with expected structure (attached)

## HPLC:

Column: ThermoHypersil C<sub>18</sub> 100 x 3 mm

Mobile Phase: 30% H<sub>2</sub>O, 70% ACN

Temperature: 26 °C

Injection volume: 5 μL

Rate: 2 mL/min

Wavelength: 254

Retention Time: 5.942 min

Purity: 98.463%

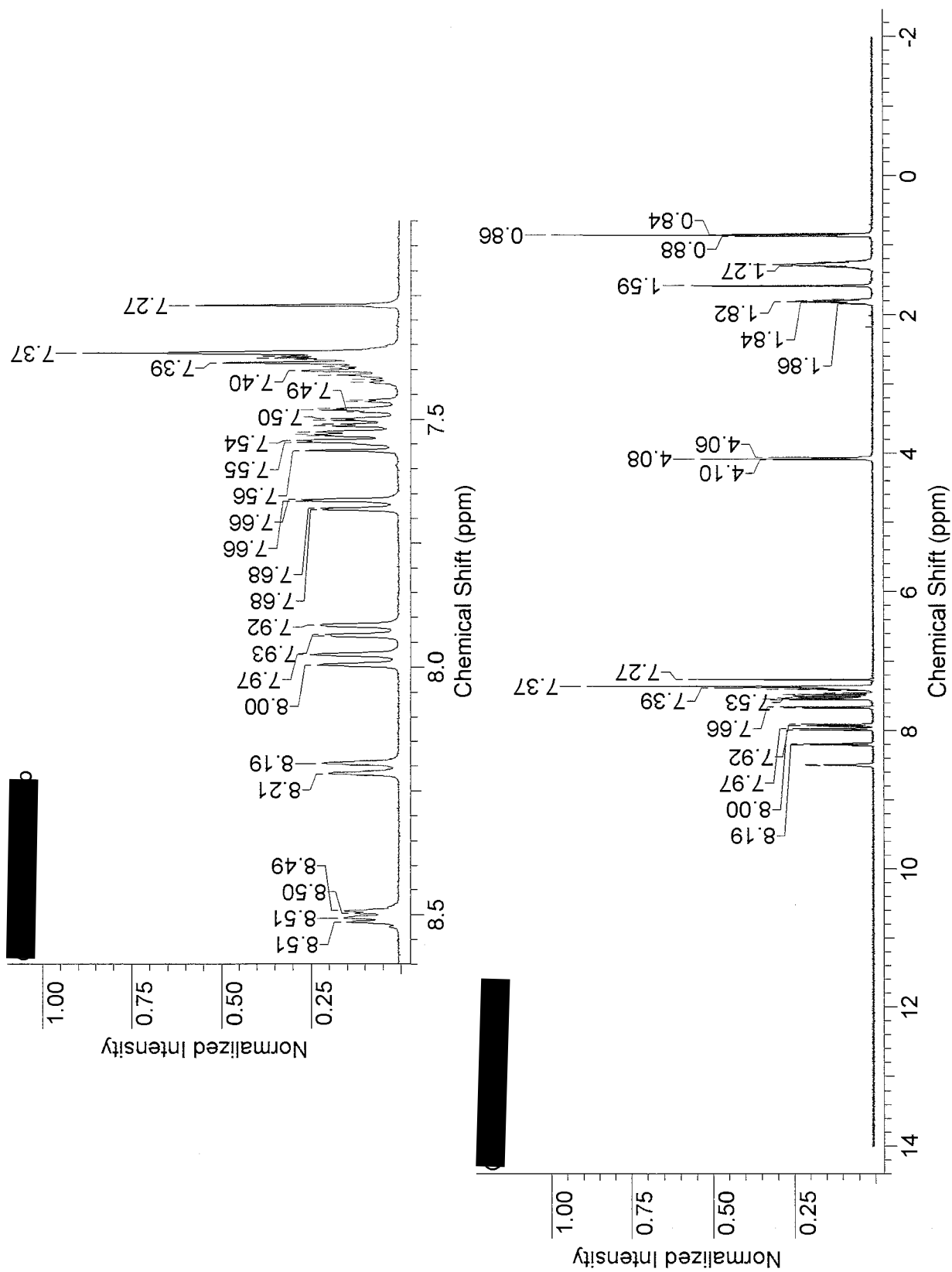
(HPLC attached)

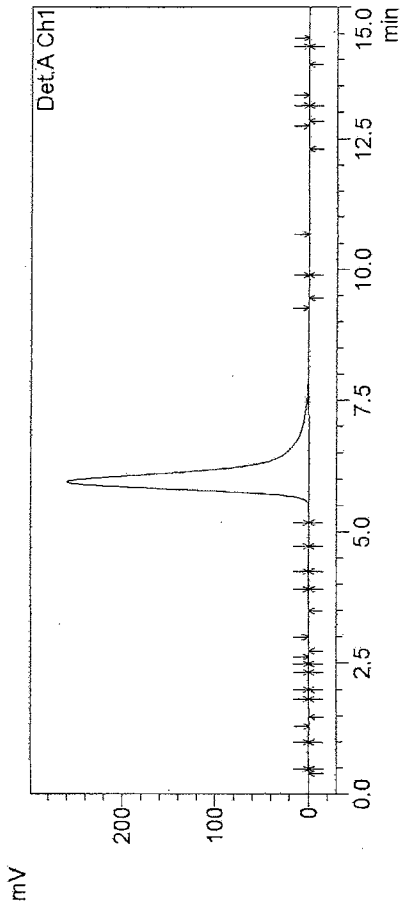
Submitted by [REDACTED]

Date: 4-9-10

Approved by [REDACTED]

Date: 4-9-10





PeakTable

Detector A Ch1.254nm

Peak#	Ret. Time	Area	Height	Area %	Height %
1	0.433	1137	227	0.017	0.085
2	0.678	20563	948	0.305	0.357
3	1.037	10205	761	0.152	0.286
4	1.633	5002	341	0.074	0.128
5	1.945	2649	255	0.039	0.096
6	2.163	4873	297	0.072	0.112
7	2.417	1666	178	0.025	0.067
8	2.534	1163	174	0.017	0.066
9	2.856	1151	121	0.017	0.045
10	3.693	14527	1032	0.216	0.388
11	4.064	9889	622	0.147	0.234
12	4.434	9187	423	0.136	0.159
13	4.915	3753	163	0.056	0.061
14	5.942	6629217	259075	98.463	97.491
15	9.828	3204	242	0.048	0.091
16	9.925	5167	249	0.077	0.094
17	12.589	2352	113	0.035	0.042
18	13.025	1891	117	0.028	0.044
19	13.250	1055	101	0.016	0.038
20	14.153	2655	158	0.039	0.060
21	14.325	1374	146	0.020	0.055
Total		6732680	265743	100.000	100.000