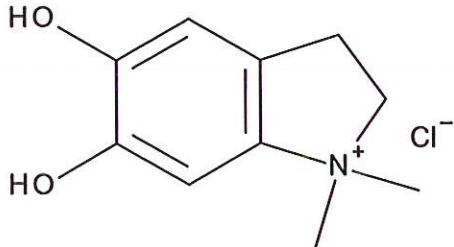


HBOI-28	
DIHYDROXY-DIMETHYL-INDOLINIUM CHLORIDE	
$C_{10}H_{14}ClNO_2$	215.67
<i>Dercitus</i> sp.	
Kohmoto, McConnell, and Wright, 1988, <i>Experientia</i> . 44: 85-86	

hplc (trace attached)

Method: Vydac C18 Protein and Peptide, 4.6 x 250mm, 10 $\mu$   
 flow 1 ml/min, detection: PDA: UV (extracted at 220 nm, black); ELSD (green dotted)  
 A: H<sub>2</sub>O:CH<sub>3</sub>CN (95:5, v/v, 0.1%TFA), B: CH<sub>3</sub>CN (0.1% TFA)  
 t=0 min A:B (90:10, v/v), t=20 min (100%B) , t=28 in (100%B)

LC-MS (spectrum attached) Does not ionize well

Method: Vydac C18 Protein and Peptide, 2.1x150 mm, flow 0.2 ml/min  
 A: H<sub>2</sub>O (0.1% formic acid), B: CH<sub>3</sub>CN (0.1% formic acid)  
 t= 0 min A: B (90:10, v/v), t=15 min (100%B), t=21 min (100%B), t=22.1 min A:B (90:10, v/v)  
 using a linear gradient

<sup>1</sup>H (600 MHz)       CDCl<sub>3</sub>       CD<sub>3</sub>OD (Methanol-d<sub>4</sub>)       CDCl<sub>3</sub>/CD<sub>3</sub>OD

<sup>13</sup>C (150 MHz)       CDCl<sub>3</sub>       CD<sub>3</sub>OD (Methanol-d<sub>4</sub>)       CDCl<sub>3</sub>/CD<sub>3</sub>OD

solubility       CHCl<sub>3</sub>/MeOH (9:1)       MeOH       DMSO

estimated purity >90%

sample weight 19.6 mg

For further information contact:

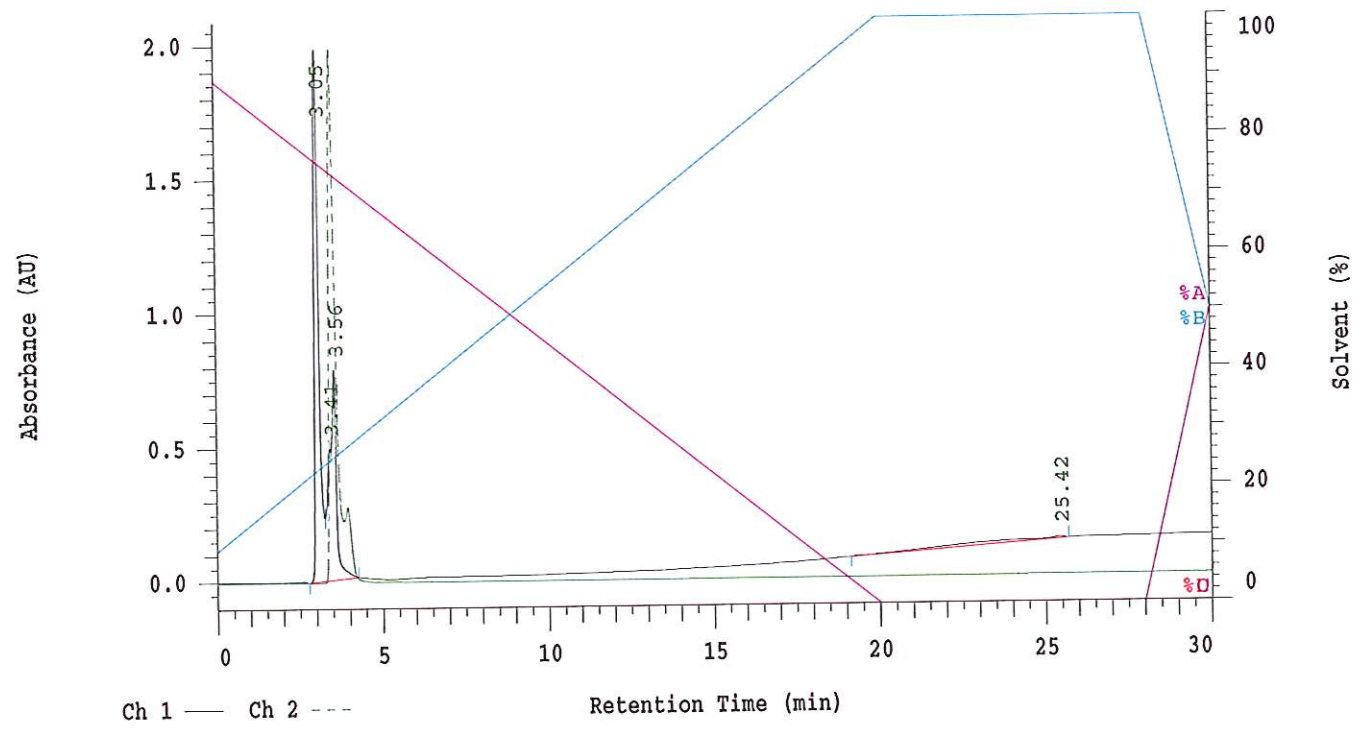
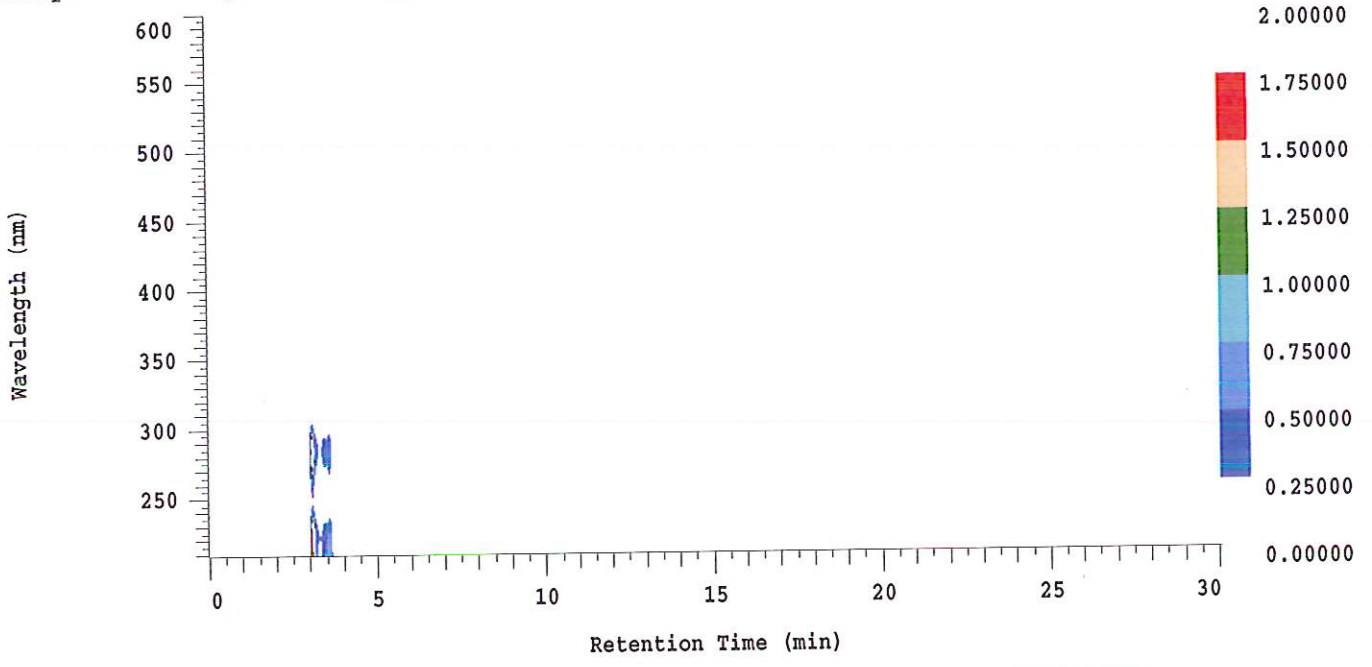
Amy E. Wright, PhD, HBOI@FAU, 5600 US 1, North, Fort Pierce, FL 34946

[awrigh33@hboi.fau.edu](mailto:awrigh33@hboi.fau.edu), 772-242-2459

Date: 1/28/13

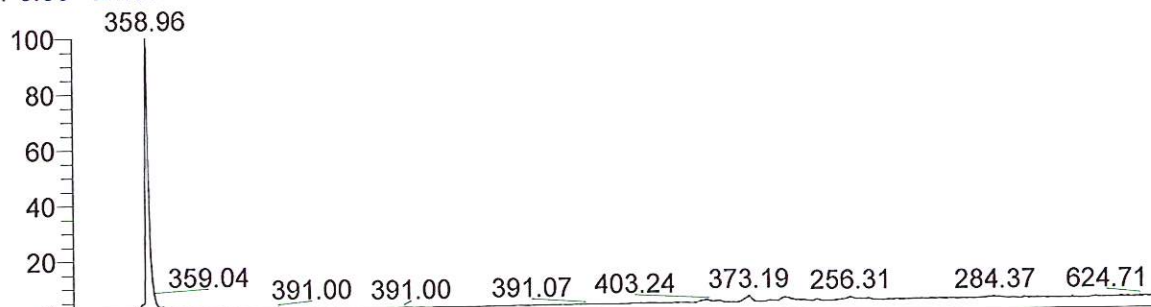
### D-2000 Elite HPLC System Manager Report

Analyzed: 01/24/2013 07:57 PM Reported: 01/25/2013 08:02 AM  
Sample Name: HBOI-28  
Sample Description: HBOI-28

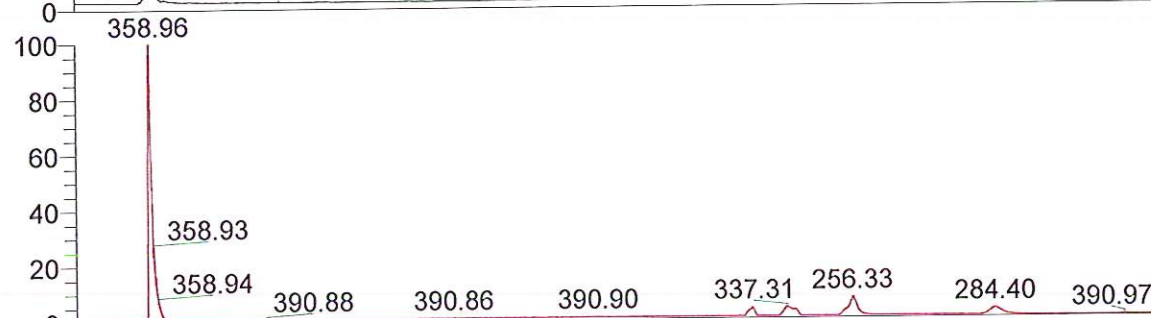


Ch 1 — Ch 2 --- Retention Time (min)  
Acquisition Method: NIH\_30min\_UV220\_wELSD\_TFA  
Column Type: Vydac C18  
Pump A Solvent A: H2O/5% ACN TFA 0.1% Pump A Solvent B: ACN TFA 0.1%  
Method Description:

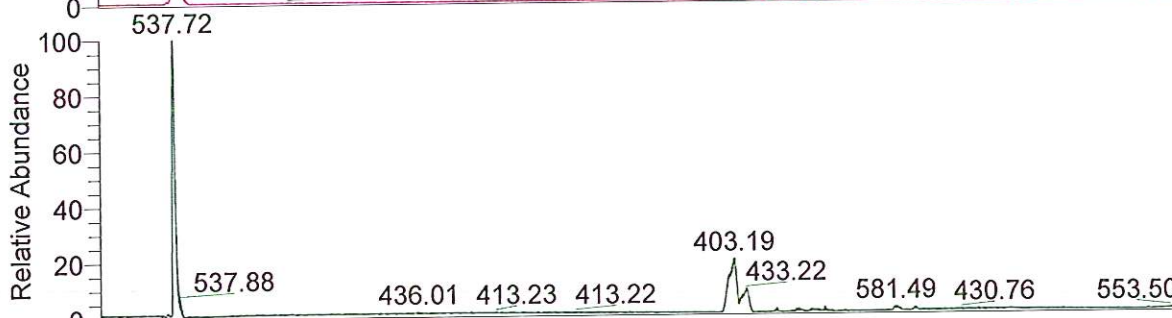
RT: 0.00 - 24.99



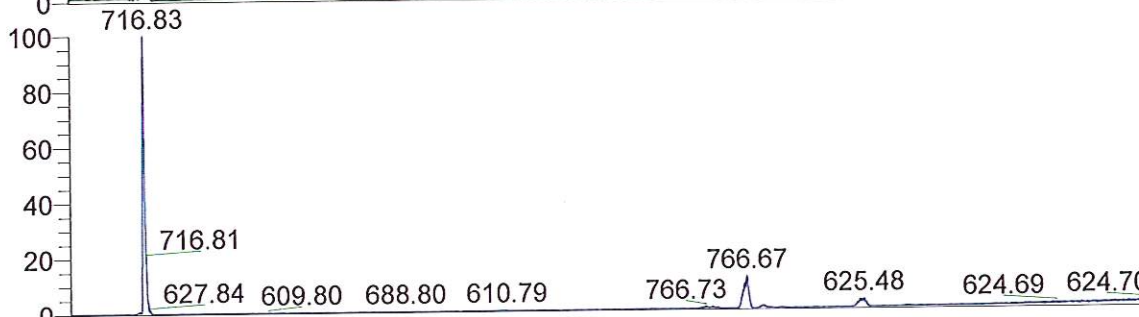
NL: 8.54E6  
TIC F: ITMS + c ESI Full ms [ 200.00-2000.00] MS  
BG\_HB\_28\_Di\_OH-di\_Me\_indolinium\_Cl



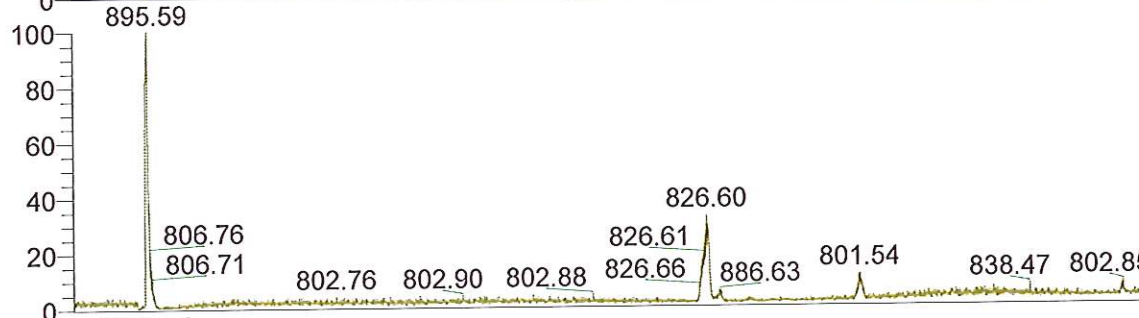
NL: 1.24E6  
Base Peak m/z=  
200.00-400.00 F: ITMS + c  
ESI Full ms [ 200.00-2000.00] MS  
BG\_HB\_28\_Di\_OH-di\_Me\_indolinium\_Cl



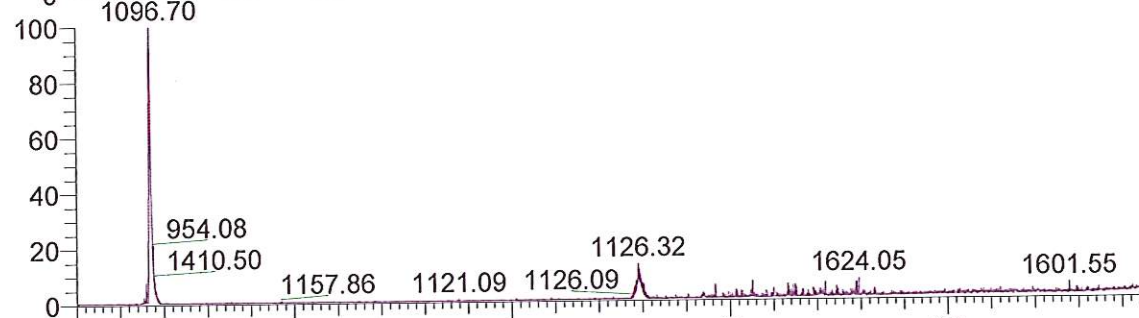
NL: 1.94E5  
Base Peak m/z=  
400.00-600.00 F: ITMS + c  
ESI Full ms [ 200.00-2000.00] MS  
BG\_HB\_28\_Di\_OH-di\_Me\_indolinium\_Cl



NL: 1.35E5  
Base Peak m/z=  
600.00-800.00 F: ITMS + c  
ESI Full ms [ 200.00-2000.00] MS  
BG\_HB\_28\_Di\_OH-di\_Me\_indolinium\_Cl



NL: 2.00E4  
Base Peak m/z=  
800.00-900.00 F: ITMS + c  
ESI Full ms [ 200.00-2000.00] MS  
BG\_HB\_28\_Di\_OH-di\_Me\_indolinium\_Cl



NL: 2.93E4  
Base Peak m/z=  
900.00-2000.00 F: ITMS + c  
ESI Full ms [ 200.00-2000.00] MS  
BG\_HB\_28\_Di\_OH-di\_Me\_indolinium\_Cl

Time (min)

