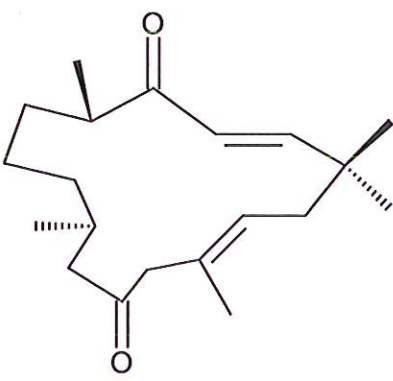


HBOI-379	AND Enantiomer		
			
	CEMBRANE		
	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; text-align: center; border-right: 1px solid black;">$C_{20}H_{32}O_2$</td> <td style="width: 50%; text-align: center;">304.47</td> </tr> </table>	$C_{20}H_{32}O_2$	304.47
$C_{20}H_{32}O_2$	304.47		
	<i>Bebryce</i> sp.		

☒ Isolation scheme (Visio) attached

☐ HPLC method (trace attached)

Method: Vydac C18 Protein and Peptide, 4.6 x 250mm, 10 μ
 flow 1 ml/min, detection: PDA: UV (extracted at 220 nm, black); ELSD (green dotted)
 A: H₂O:CH₃CN (95:5, v/v), B: CH₃CN
 t=0 min A:B (90:10, v/v), t=20 min (100%B) , t=28 min (100%B)

☒ LC-MS method

Method: Vydac C18 Protein and Peptide, 2.1x150 mm, flow 0.2 ml/min
 A: H₂O (0.1% formic acid), B:CH₃CN (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 min A:B(90:10, v/v)
 using a linear gradient

☒ ¹H (600 MHz) ☐ CDCl₃ ☒ CD₃OD (Methanol-d₄) ☐ CDCl₃/CD₃OD

☒ ¹³C (150 MHz) ☐ CDCl₃ ☒ CD₃OD (Methanol-d₄) ☐ CDCl₃/CD₃OD

☐ Solubility ☐ CHCl₃/MeOH (9:1) ☒ MeOH ☐ DMSO

☒ Estimated purity >90_%

☒ Sample weight 19.7 mg

For further information contact:

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awrigh33@hboi.fau.edu, 772-242-2459

Date: 7/15/13

10-X-03-1-006
Bebryce
100g extracted/ 244g remain
ROBL26-72-1 Crude 2.4g

EtOAc Partition
ROBL26-72-2
468.7mg

Water Partition

Water Partition
ROBL26-72-3
1.86g

BuOH Partition
ROBL26-72-4
52.6mg

15.5g RP 18 Gold
Combi- Flash
Column
450mg

ROBL26-74-
Tubes
Weight (mg)

1

1-4
1.7

2

5-7
3.7

3

8-10
0.6

4

11
0.5

5

12-16
3.4

6

17-64
35.4

7

65-71
18.1

8

72-79
14.3

9

80-81
4.4

10

82-99
114.4

11

100-142
83.1

12

tfa wash
4.5

13

DCM/MeOH wash
91.9

15.5g RP 18 Gold
Combi- Flash
Column
100 mg

SEN31-38-
Tubes
Weight (mg)

1

1-77
8.1

2

78
1.7

3

79-80
4.0

4

81
7.2

5

82-83
25.4

6

84-86
19.2

7

87-91
8.7

8

92-95
2.7

9

96-109
3.9

10

TFA wash
0.9

11

DCM/MeOH wash
0.9

SEN31-38-N

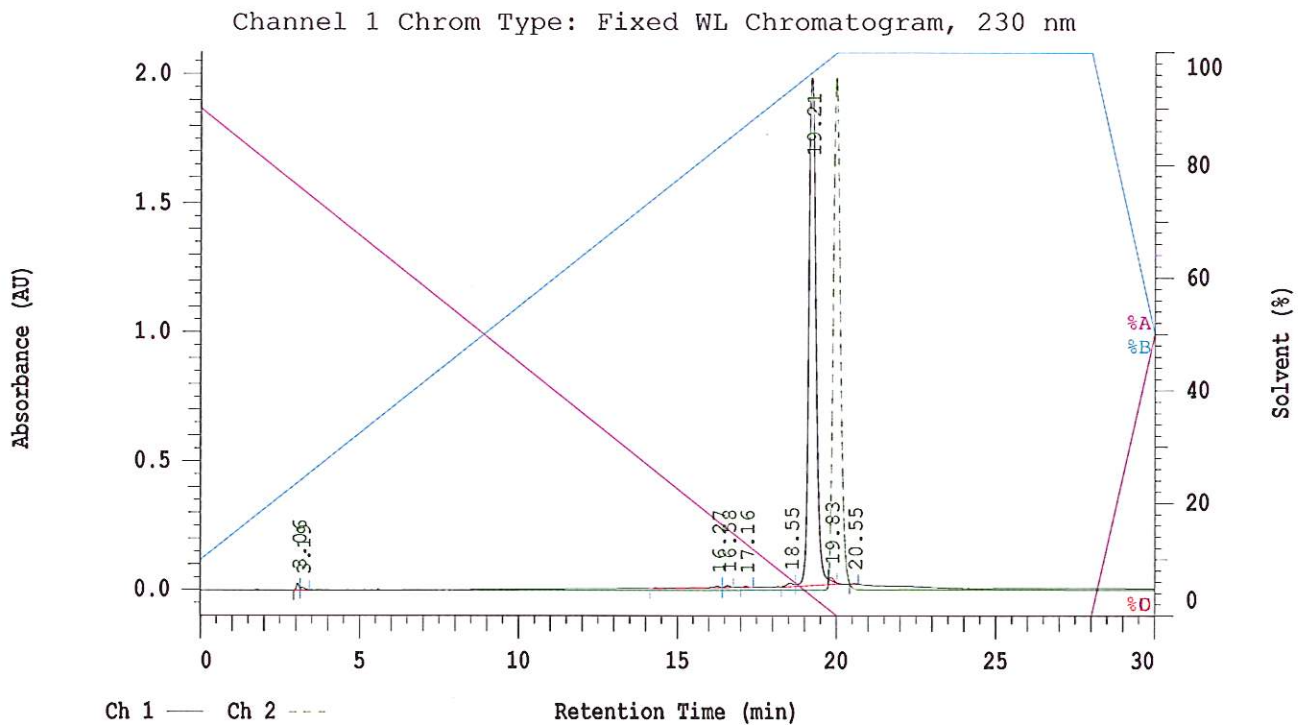
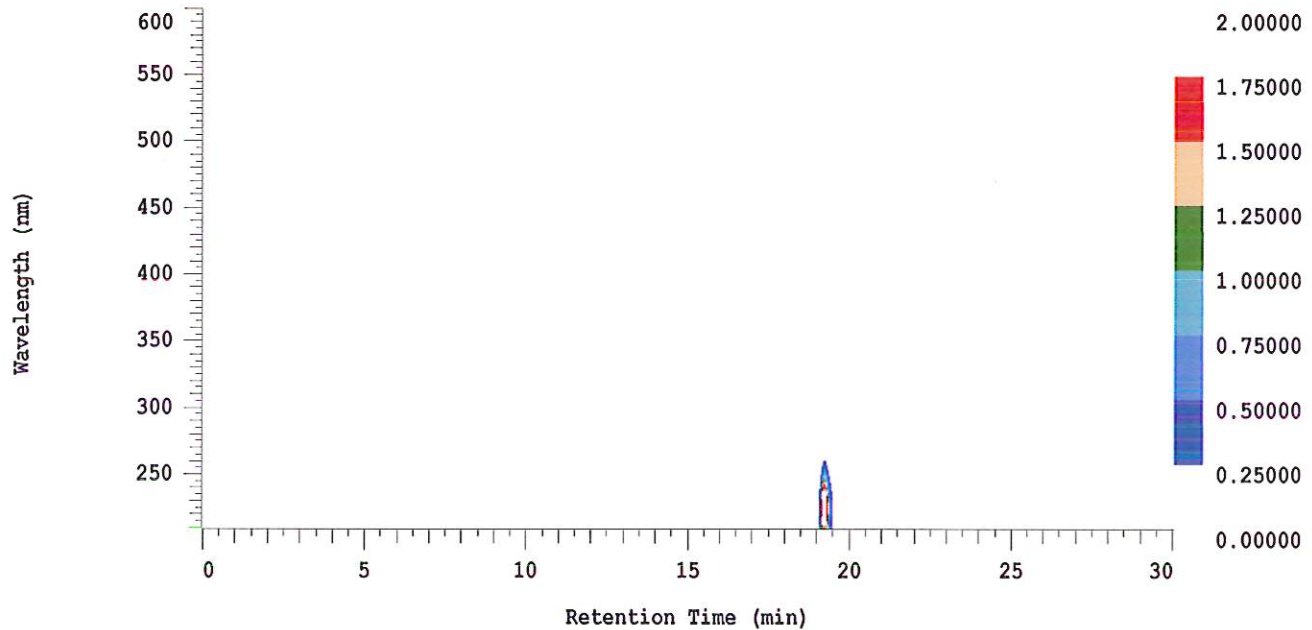
D-2000 Elite HPLC System Manager Report

Analyzed: 06/28/2013 02:28 PM

Reported: 06/28/2013 04:02 PM

Sample Name: HBOI-379

Sample Description: HBOI-379 Bebryc Cembrane



Acquisition Method: autosampler_30min_wELSD

Column Type: Vydac C18

Pump A Solvent A: H2O/5% ACN

Pump A Solvent B: ACN

Method Description:

RT: 0.00 - 20.99

