

I

20%

35%

15%

30%

II

UV IR MS NMR

III

1.

2.

180

3.

150

4.

A

B

X

30%

40%

15%

/

15%

IV

UV IR MS NMR

1. UV

2.

3.

UV

1. IR

2.

IR

3.

IR

4.

IR

IR

1. ¹HNMR

¹HNMR

2.

¹HNMR

3.

¹HNMR

¹HNMR

1. ¹³CNMR

2.

¹³CNMR

3.

ATP DEPT

4.

¹³CNMR

¹³CNMR

1. MS MS MS
2. MS MS
3. MS
- MS

- 1.
- 2.
- 3.

V

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