## 支持信息

## 蒟子的化学成分研究

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Figure S27. HSQC spectrum of 4.
Figure S28. <sup>1</sup> H– <sup>1</sup> H COSY spectrum of 4.
Figure S29. HMBC spectrum of 4.
Figure S30. ROESY spectrum of 4.
Figure S31. EI-MS spectrum of 4.
Figure S32. HR-EI-MS spectrum of 4.

















Figure S8. HR-EI-MS spectrum of 1.

















## Single Mass Analysis

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Tolerance = 10.0 PPM / DBE: min = -10.0, max = 120.0 Selected filters: None

Monoisotopic Mass, Odd and Even Electron Ions 21 formula(e) evaluated with 1 results within limits (up to 51 closest results for each mass) Elements Used: C: 0-200 H: 0-400 N: 2-2 O: 7-9 pcp27 KIB Voltage El+



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Figure S16. HR-EI-MS spectrum of 2.





Figure S18. <sup>13</sup>C NMR spectrum of 3 (CDCl<sub>3</sub>, 126 MHz).











Figure S23. EI-MS spectrum of 3.



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Figure S24. HR-EI-MS spectrum of 3.

Mex.



















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## **Elemental Composition Report**

Calc. Mass

550.2315

Single Mass Analysis

Mass

550.2298

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Tolerance = 10.0 PPM / DBE: min = -10.0, max = 120.0 Selected filters: None

Monoisotopic Mass, Odd and Even Electron Ions 21 formula(e) evaluated with 1 results within limits (up to 51 closest results for each mass) C: 0-200 H: 0-400 N: 2-2 O: 7-9 pcp25 16:16:22 29-Apr-2015 KIB M150429EA-01AFAMM 17 (1.561) Cm (17:18) 550.2298 Autospec Premier Voltage EI+ P776 %-0-549.70 549.80 549.90 550.00 550.10 550.20 550.30 - m/z 550.40 550.50 550.60 550.70 Minimum: -10.0 Maximum: 200.0 10.0 120.0

Formula

5546031.5 C30 H34 N2 O8

PPM

-3.1

DBE

15.0

i-FIT

Figure S32. HR-EI-MS spectrum of 4.

mDa

-1.7



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