

Supplementary Information

Miscellaneous Diterpenes from the Aerial Parts of *Plectranthus ornatus* Codd

Fábio N. Ávila,^a Francisco C. L. Pinto,^a Thiciana S. Sousa,^a Maria Conceição M. Torres,^a Leticia V. Costa-Lotufo,^{b,c} Danilo D. Rocha,^b Mayron A. de Vasconcelos,^d Nairley Cardoso-Sá,^d Edson H. Teixeira,^d Maria Rose Jane R. Albuquerque,^e Edilberto R. Silveira^a and Otília D. L. Pessoa^{*a}

^aDepartamento de Química Orgânica e Inorgânica, Universidade Federal do Ceará, 60021-970 Fortaleza-CE, Brazil

^bDepartamento de Fisiologia e Farmacologia, Universidade Federal do Ceará, 60430-270 Fortaleza-CE, Brazil

^cDepartamento de Farmacologia, Universidade de São Paulo, 05508-900 São Paulo-SP, Brazil

^dLaboratório Integrado de Biomoléculas, Departamento de Patologia e Medicina Legal, Universidade Federal do Ceará, 60441-750 Fortaleza-CE, Brazil

^eCoordenação de Química, Centro de Ciências Exatas e Tecnológicas, Universidade Estadual Vale do Acaraú, 62040-340 Sobral-CE, Brazil

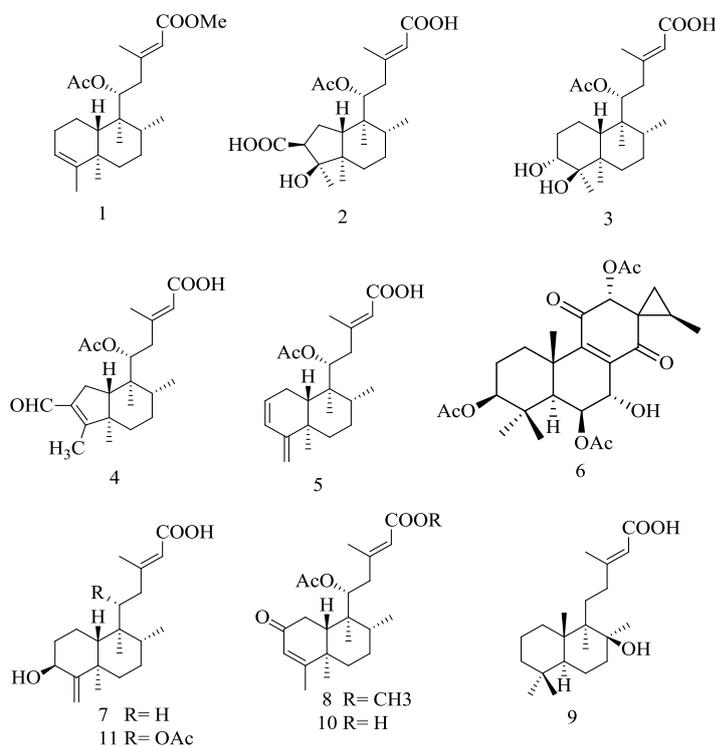


Figure S1. Structure of all compounds isolated from *P. ornatus*.

*e-mail: otillioiola@gmail.com

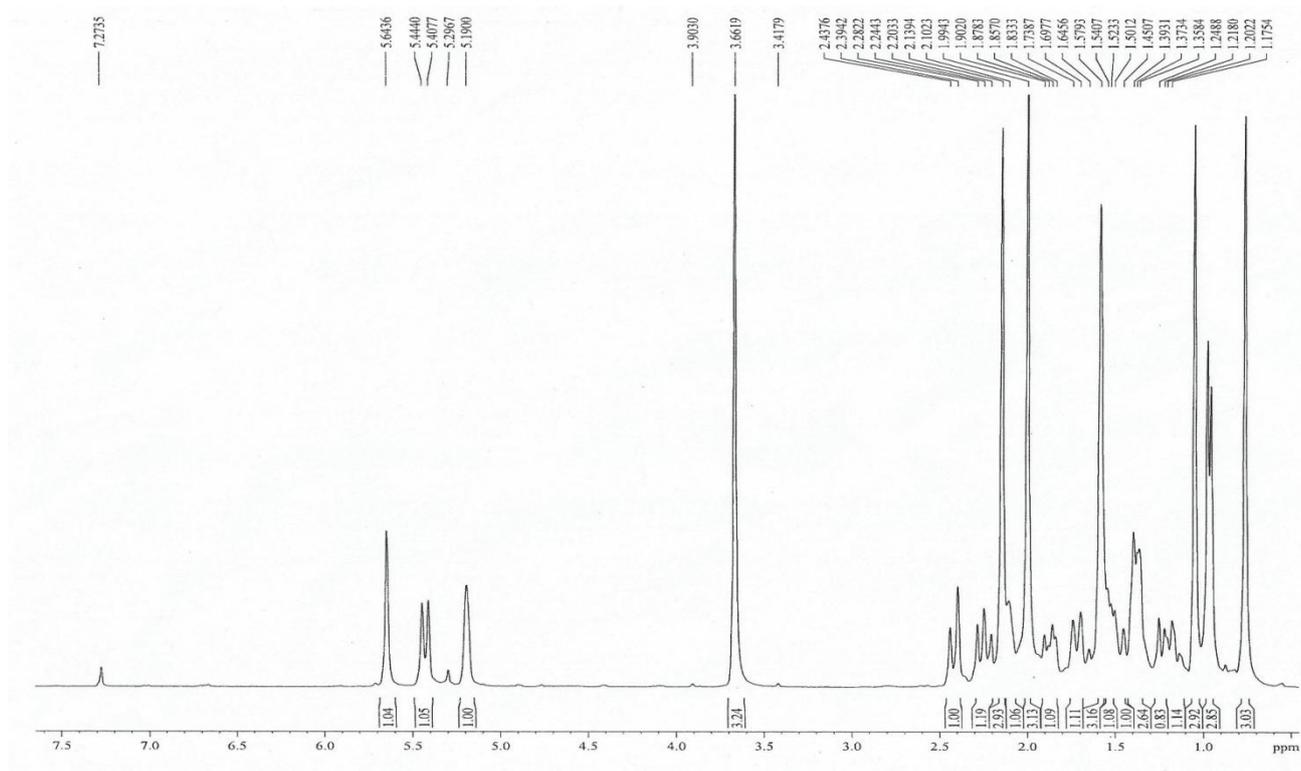


Figure S2. ^1H NMR (300 MHz, CDCl_3) spectrum of ornatin A (**1**).

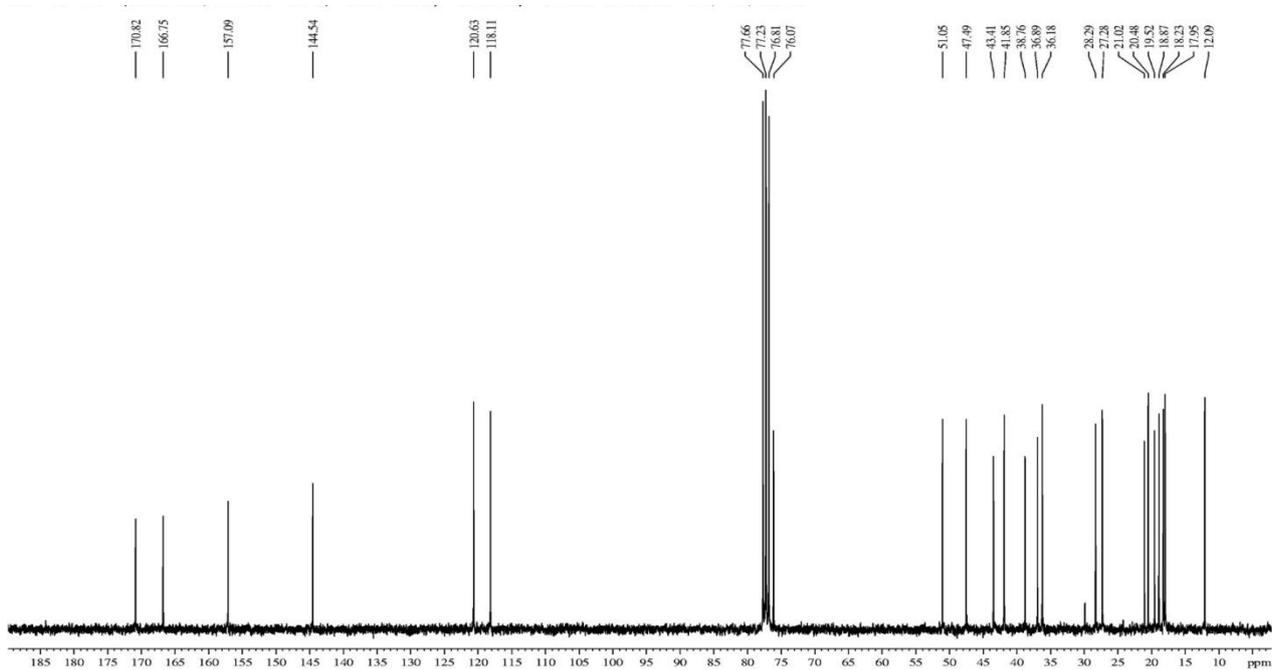


Figure S3. ^{13}C NMR (300 MHz, CDCl_3) spectrum of ornatin A (**1**).

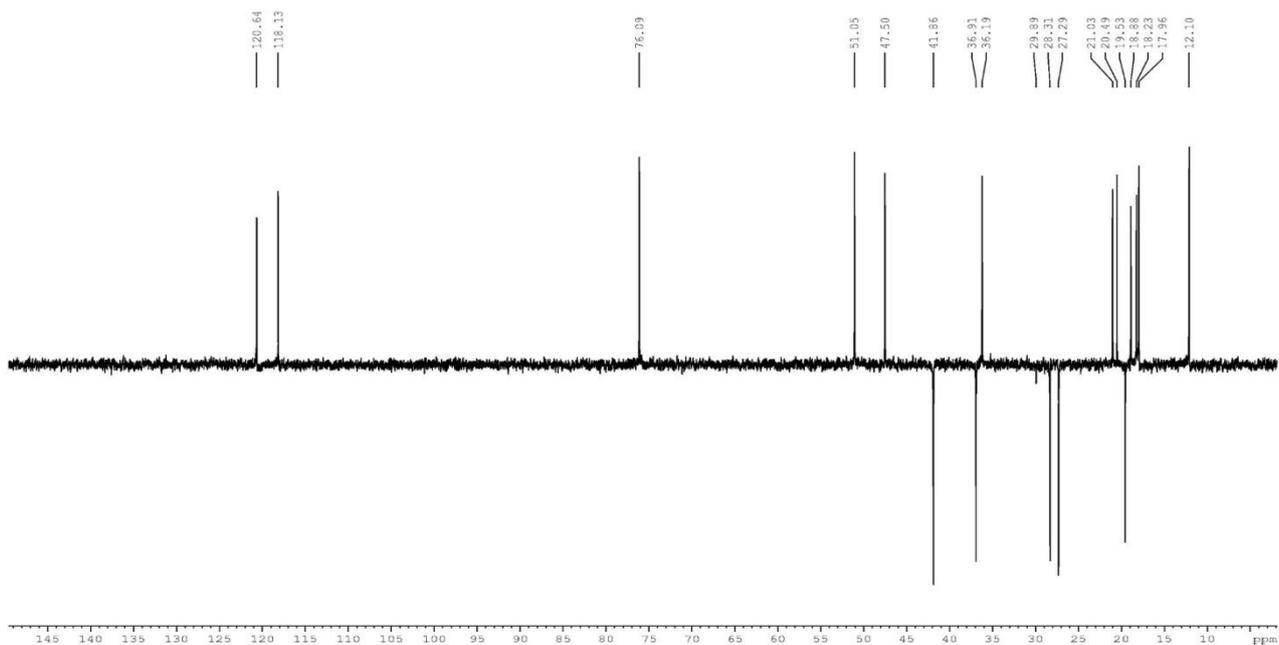


Figure S4. NMR DEPT 135° (300 MHz, CDCl₃) spectrum of ornatin A (**1**).

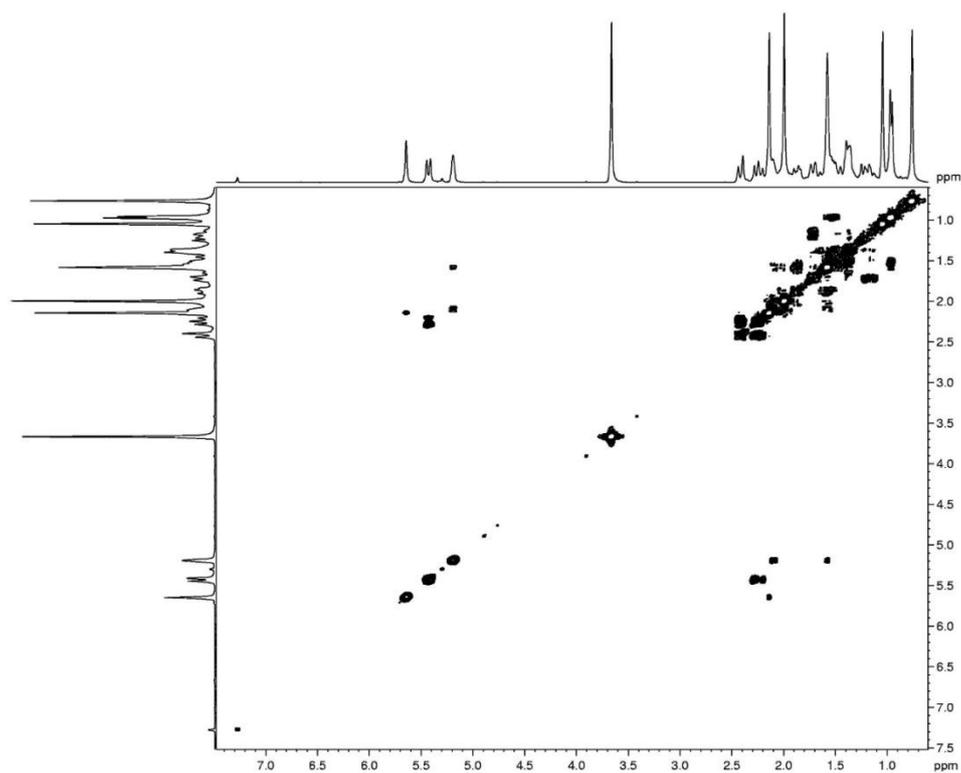


Figure S5. ¹H-¹H COSY NMR (300 MHz, CDCl₃) spectrum of ornatin A (**1**).

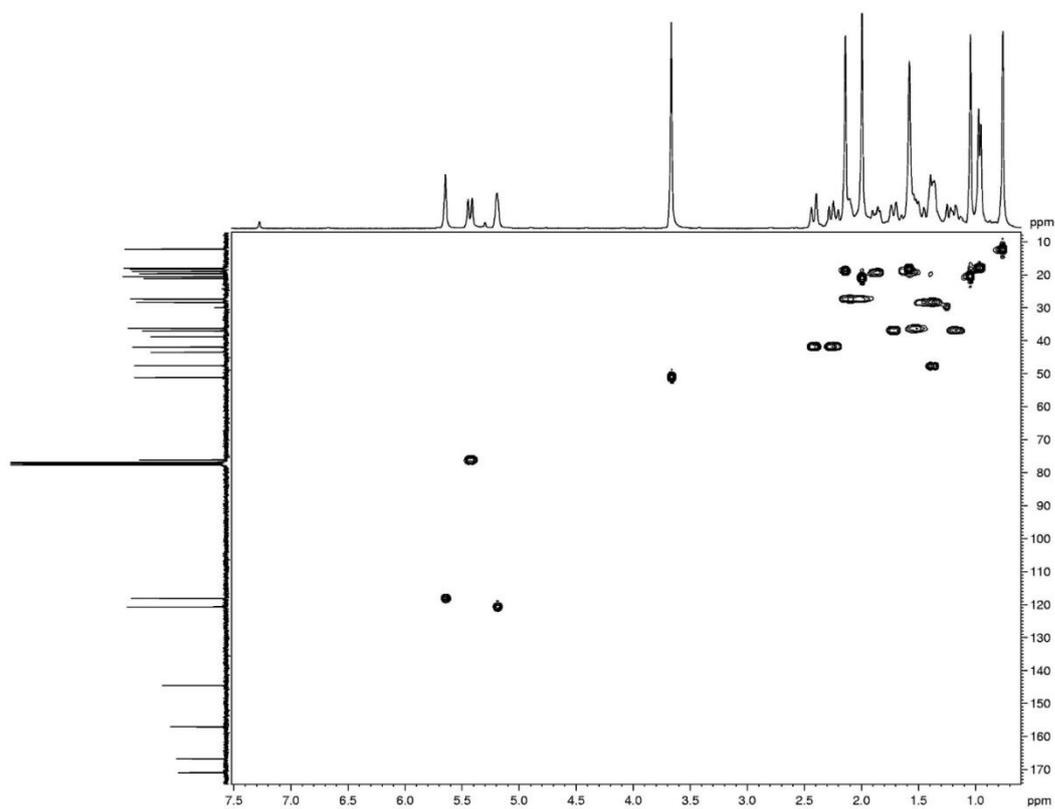


Figure S6. ^1H - ^{13}C HSQC 2D NMR (300 MHz, CDCl_3) spectrum of ornatin A (**1**).

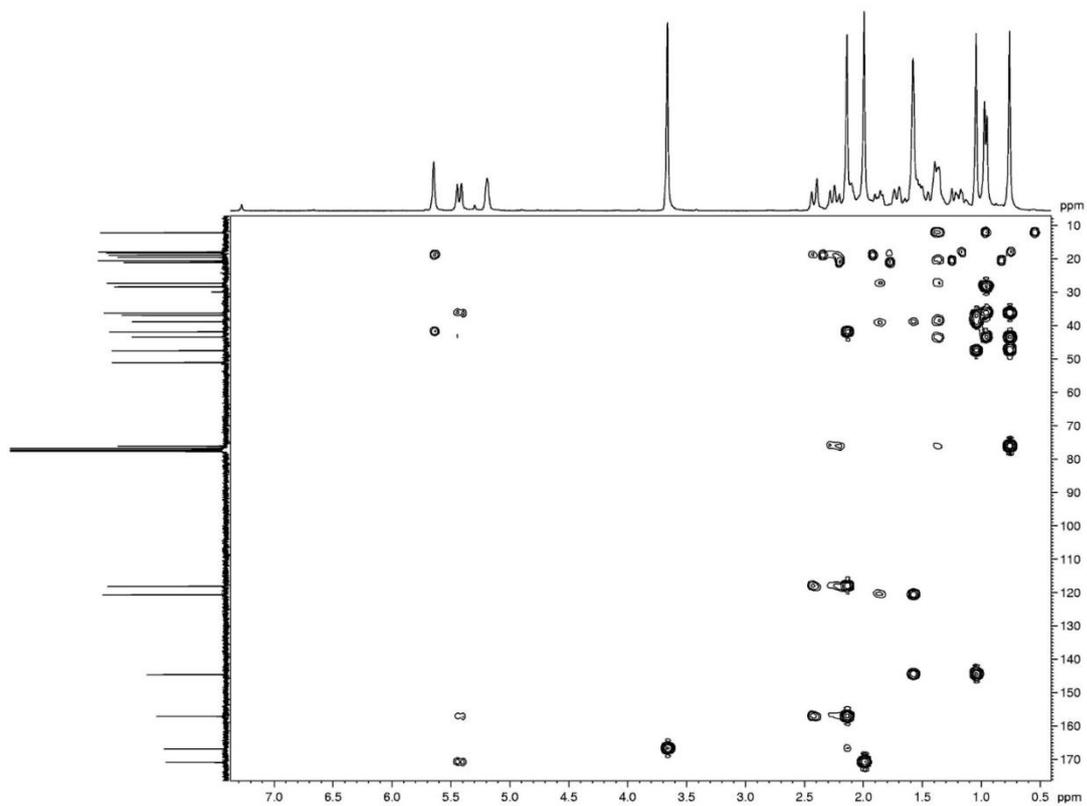


Figure S7. ^1H - ^{13}C HMBC 2D NMR (300 MHz, CDCl_3) spectrum of ornatin A (**1**).

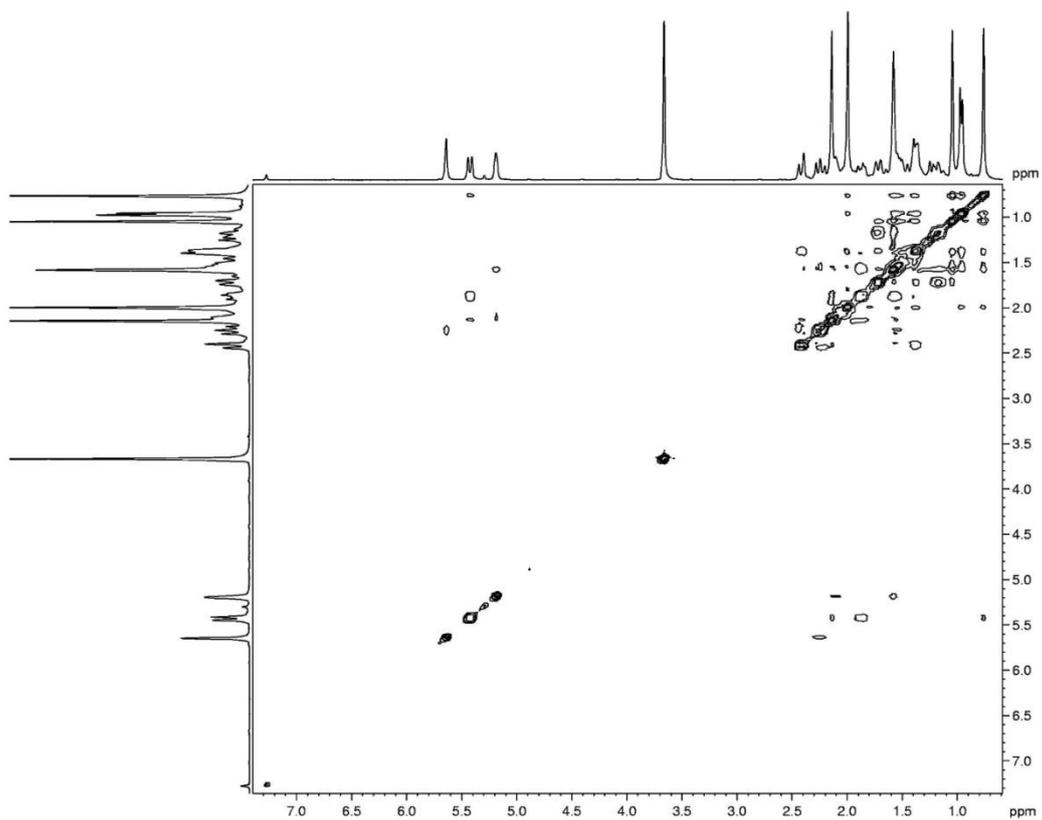


Figure S8. ^1H - ^1H NOESY 2D NMR (300 MHz, CDCl_3) spectrum of ornatin A (**1**).

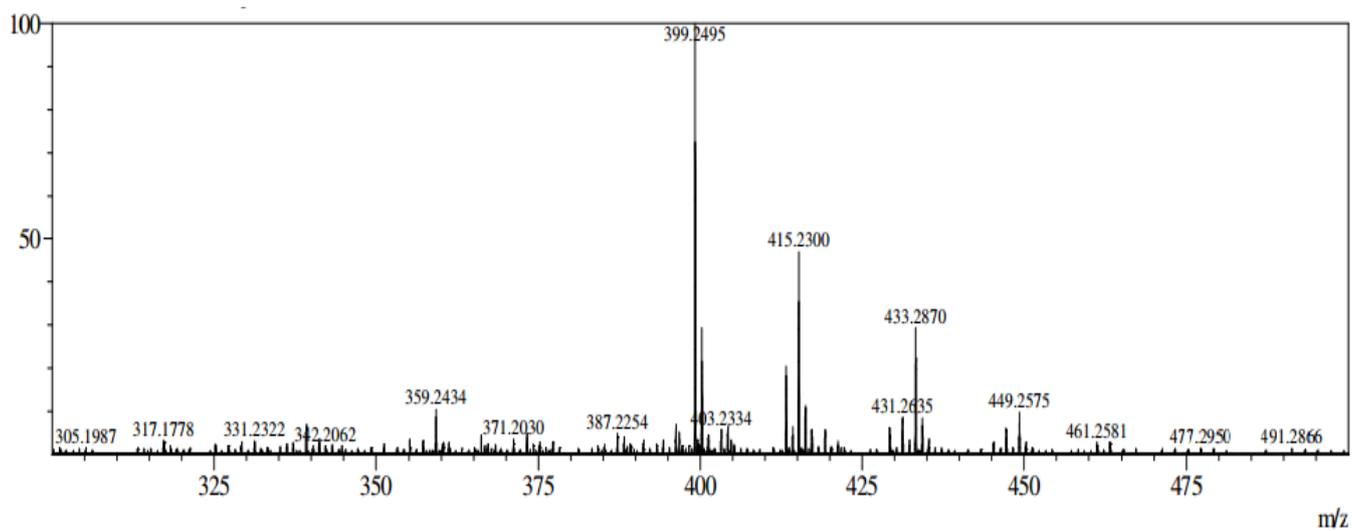


Figure S9. HRESIMS of ornatin A (**1**).

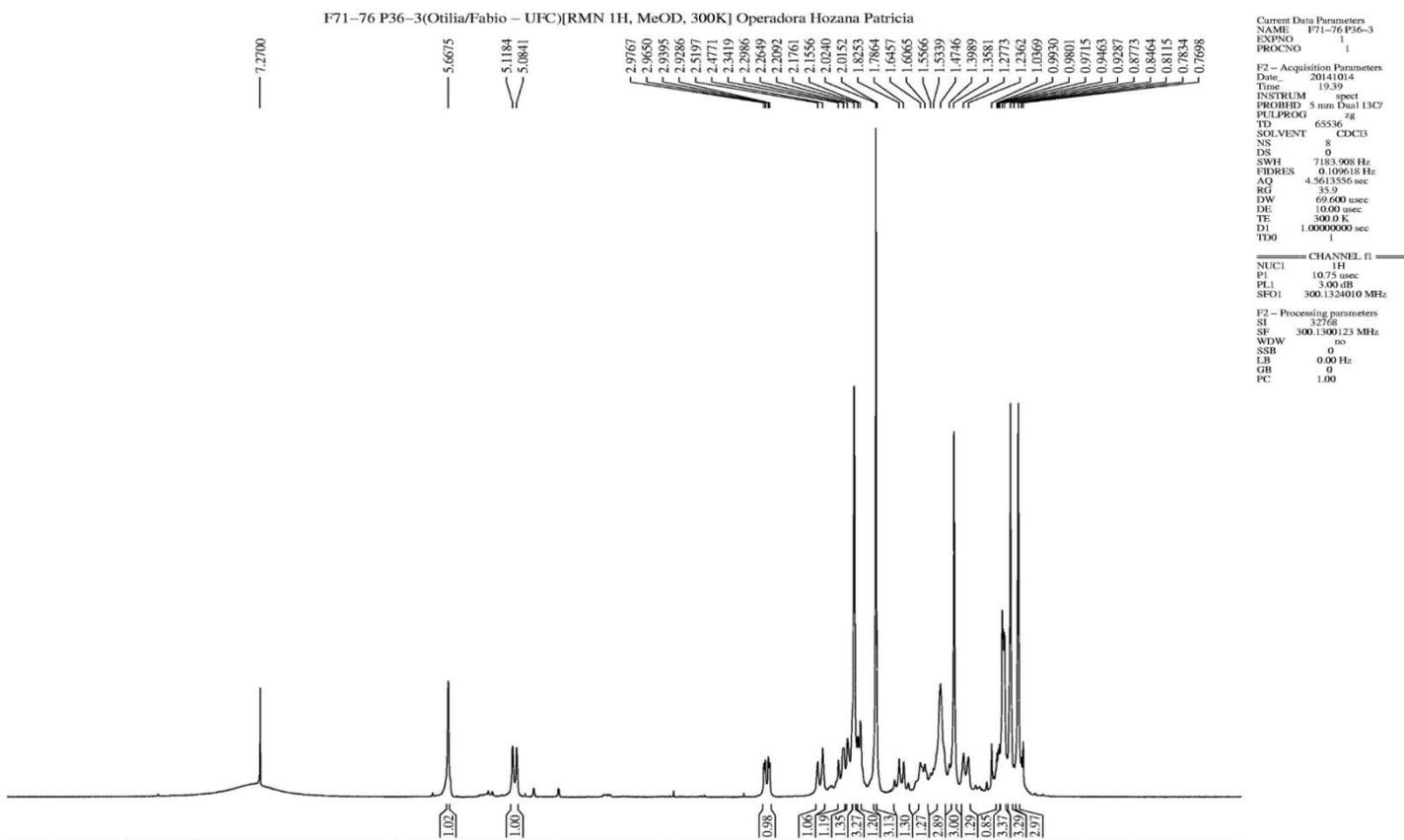


Figure S10. ^1H NMR (300 MHz, CDCl_3) spectrum of ornatin B (2).

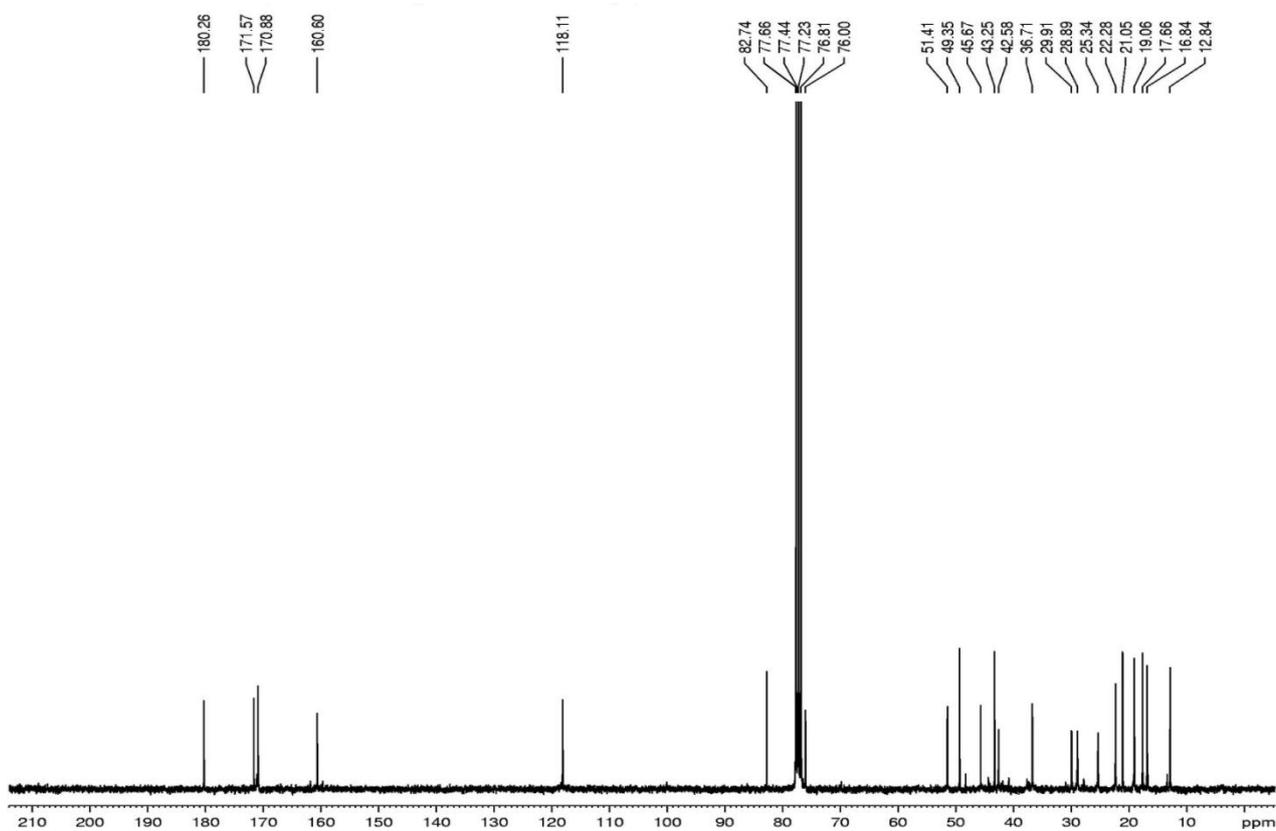


Figure S11. ^{13}C NMR (300 MHz, CDCl_3) spectrum of ornatin B (2).

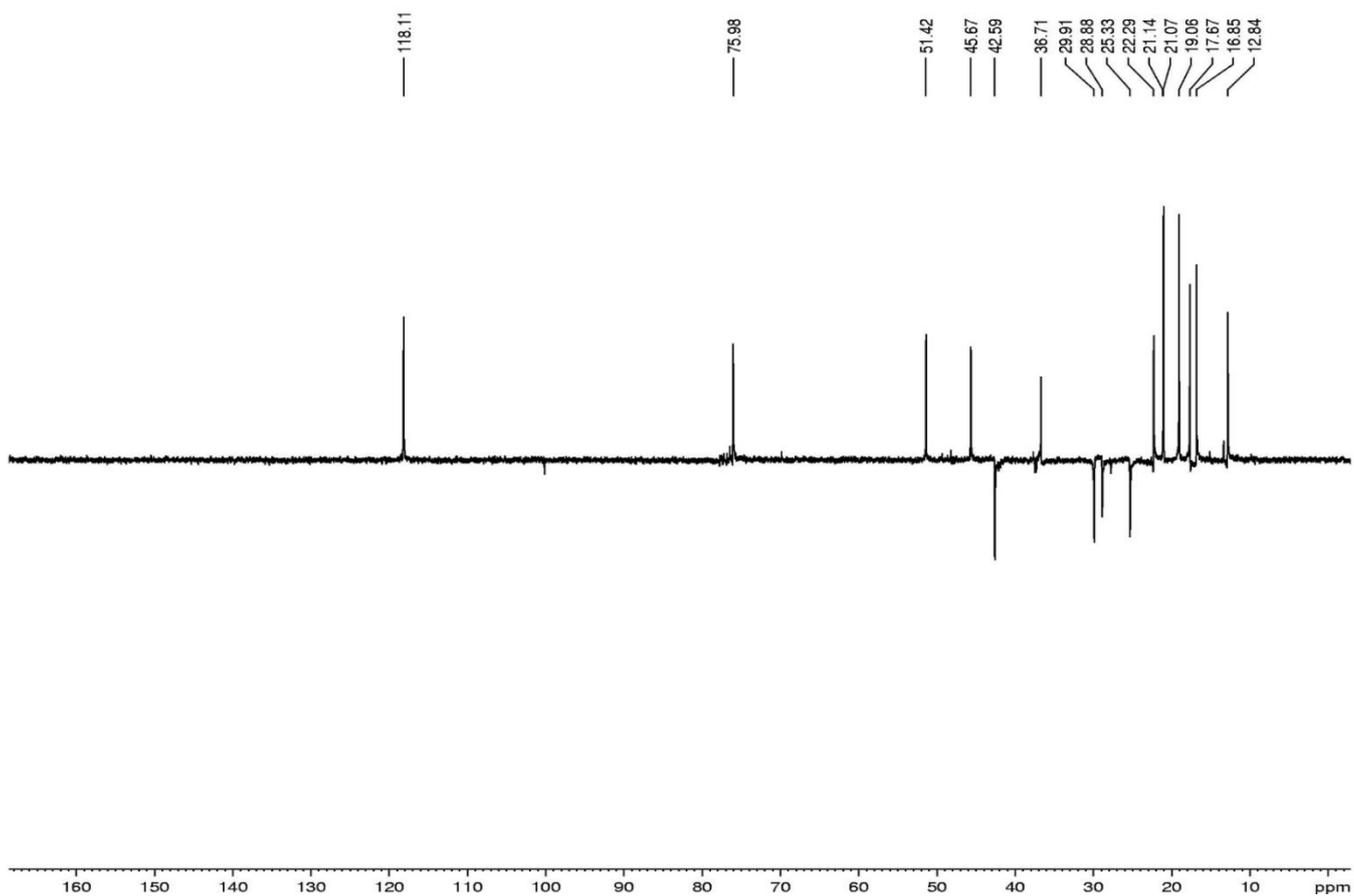


Figure S12. NMR DEPT 135° (300 MHz, CDCl₃) spectrum of ornatin B (2).

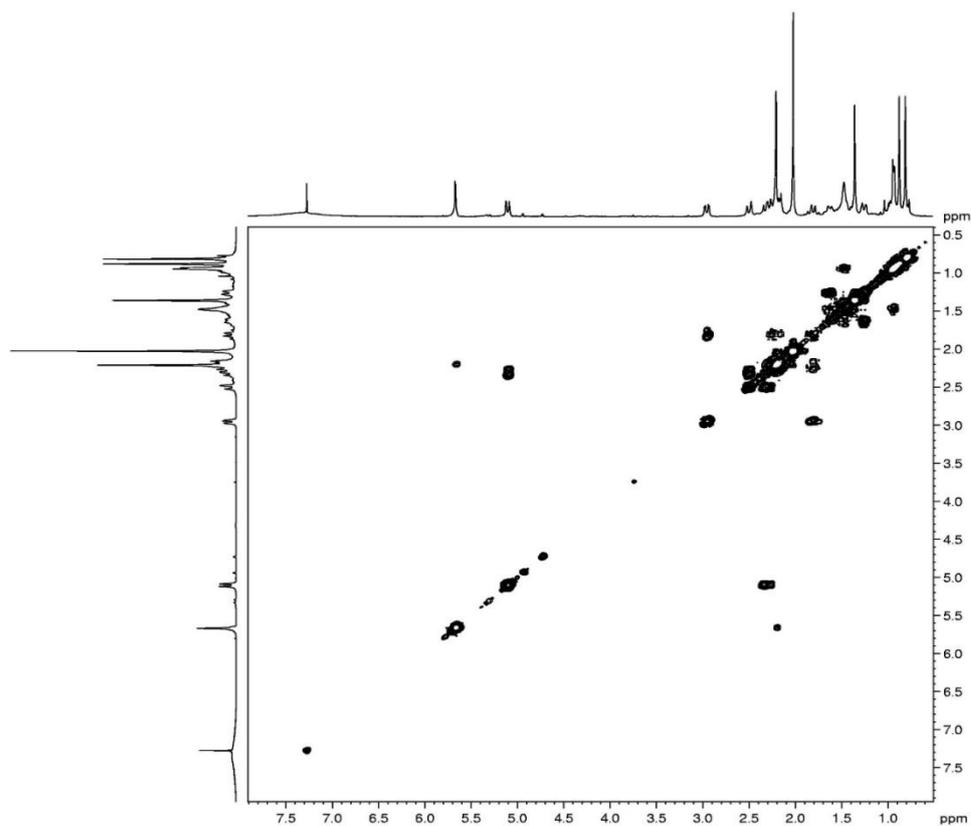


Figure S13. ¹H-¹H COSY NMR (300 MHz, CDCl₃) spectrum of ornatin B (2).

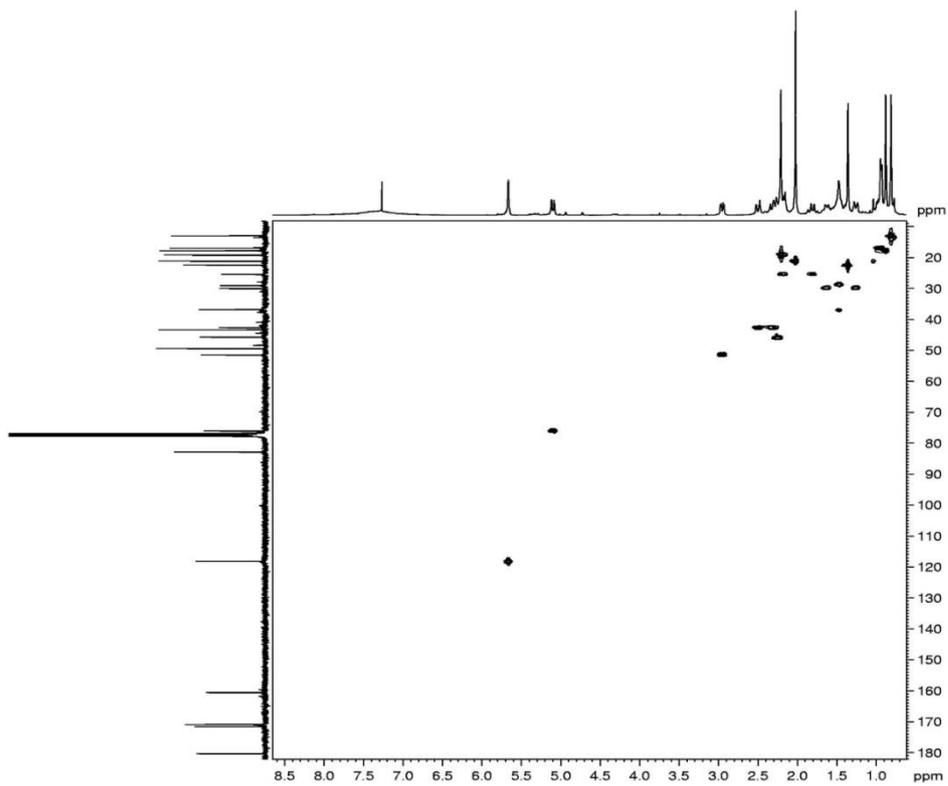


Figure S14. ^1H - ^{13}C HSQC 2D NMR (300 MHz, CDCl_3) spectrum of ornatin B (**2**).

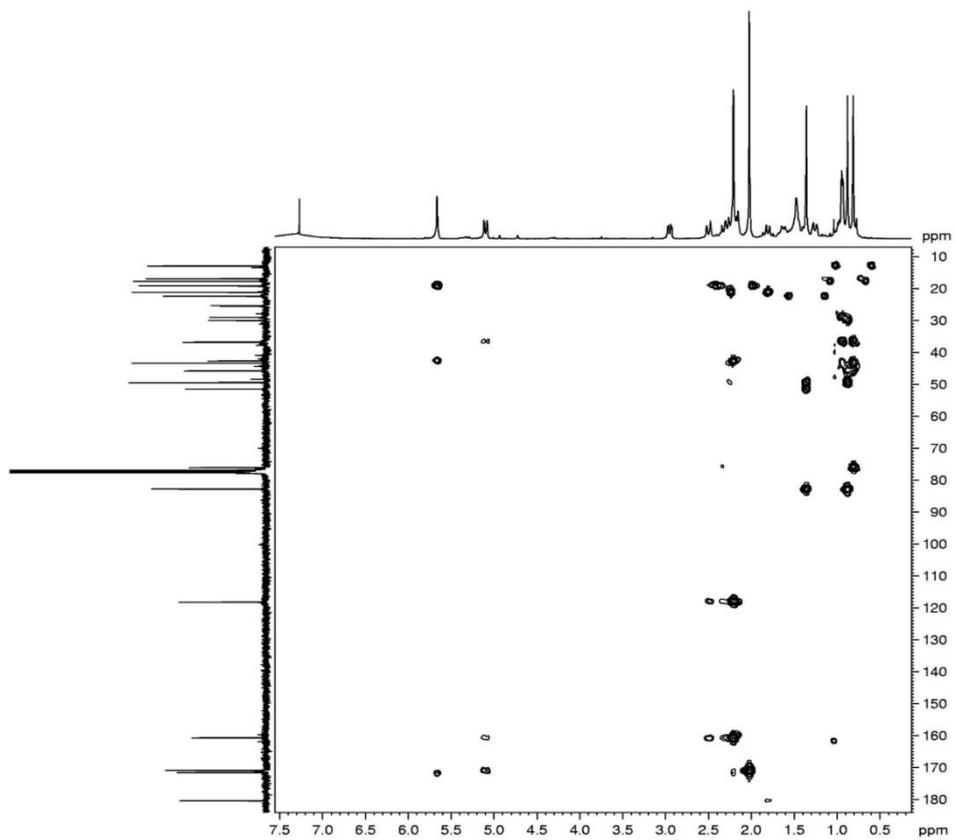


Figure S15. ^1H - ^{13}C HMBC 2D NMR (300 MHz, CDCl_3) spectrum of ornatin B (**2**).

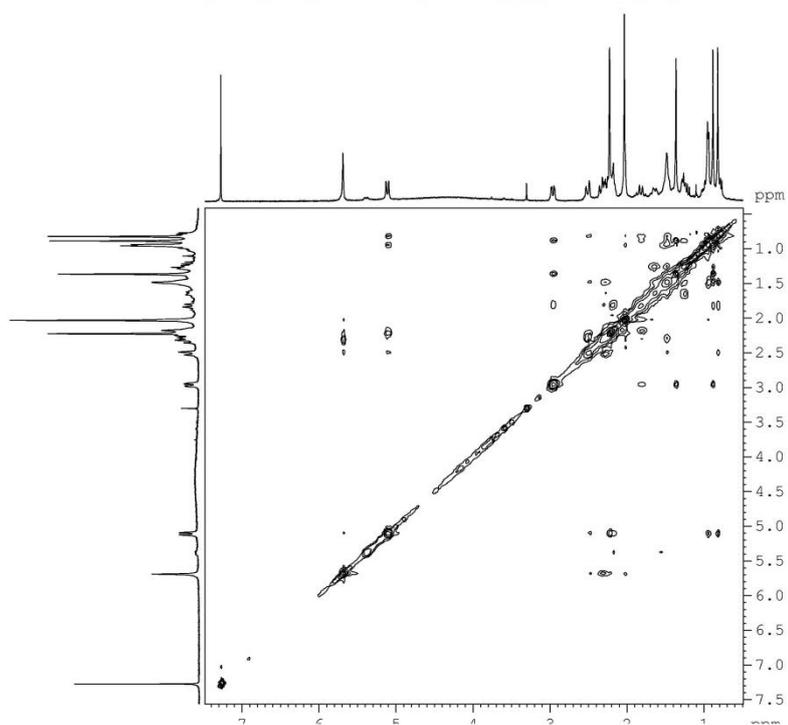


Figure S16. ^1H - ^1H NOESY 2D NMR (300 MHz, CDCl_3) spectrum of ornatin B (**2**).

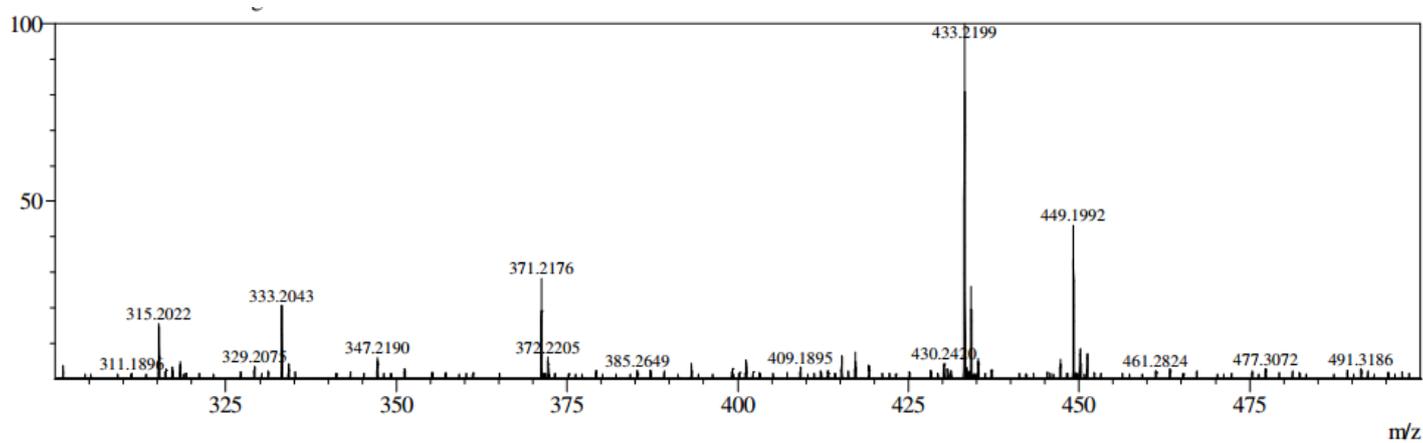


Figure S17. HRESIMS of ornatin B (**2**).

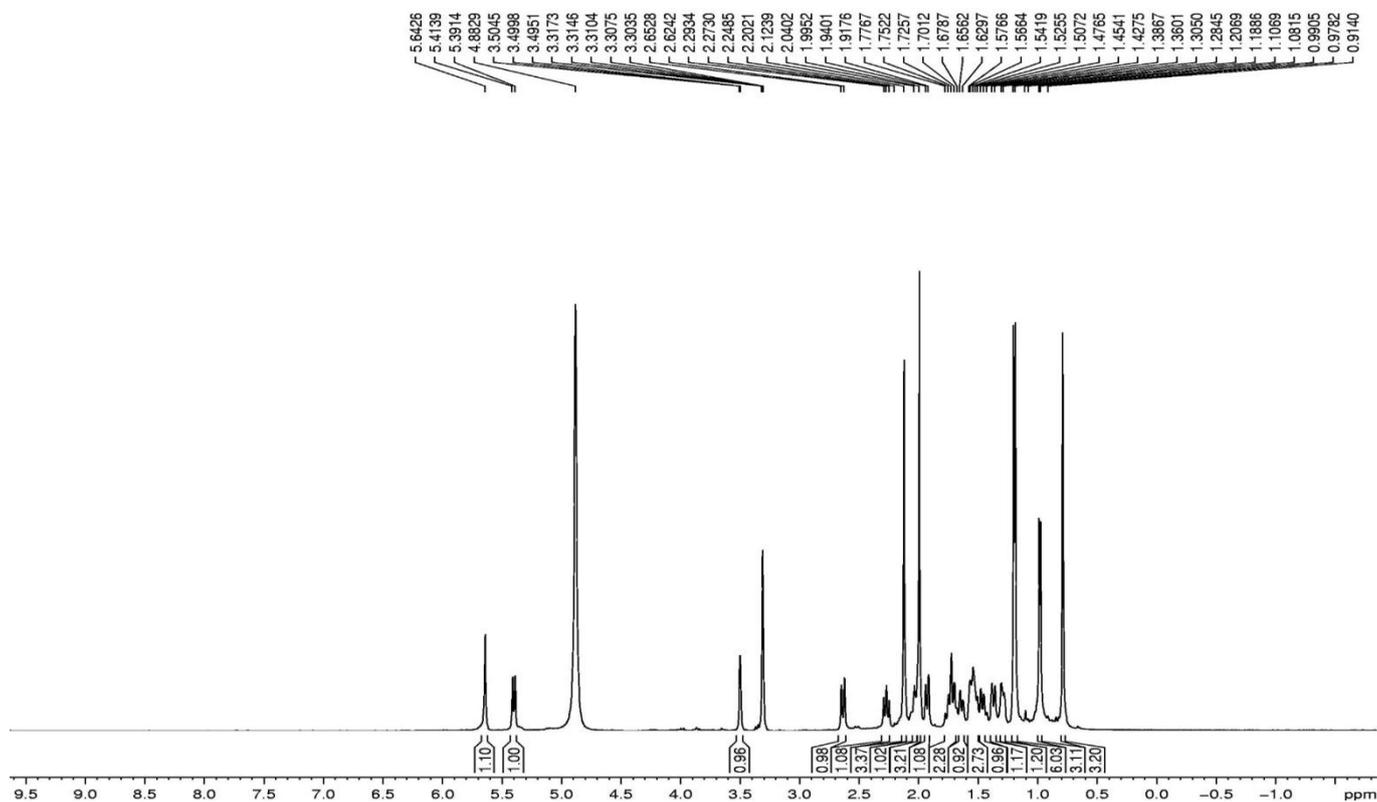


Figure S18. ^1H NMR (500 MHz, MeOD) spectrum of ornatin C (**3**).

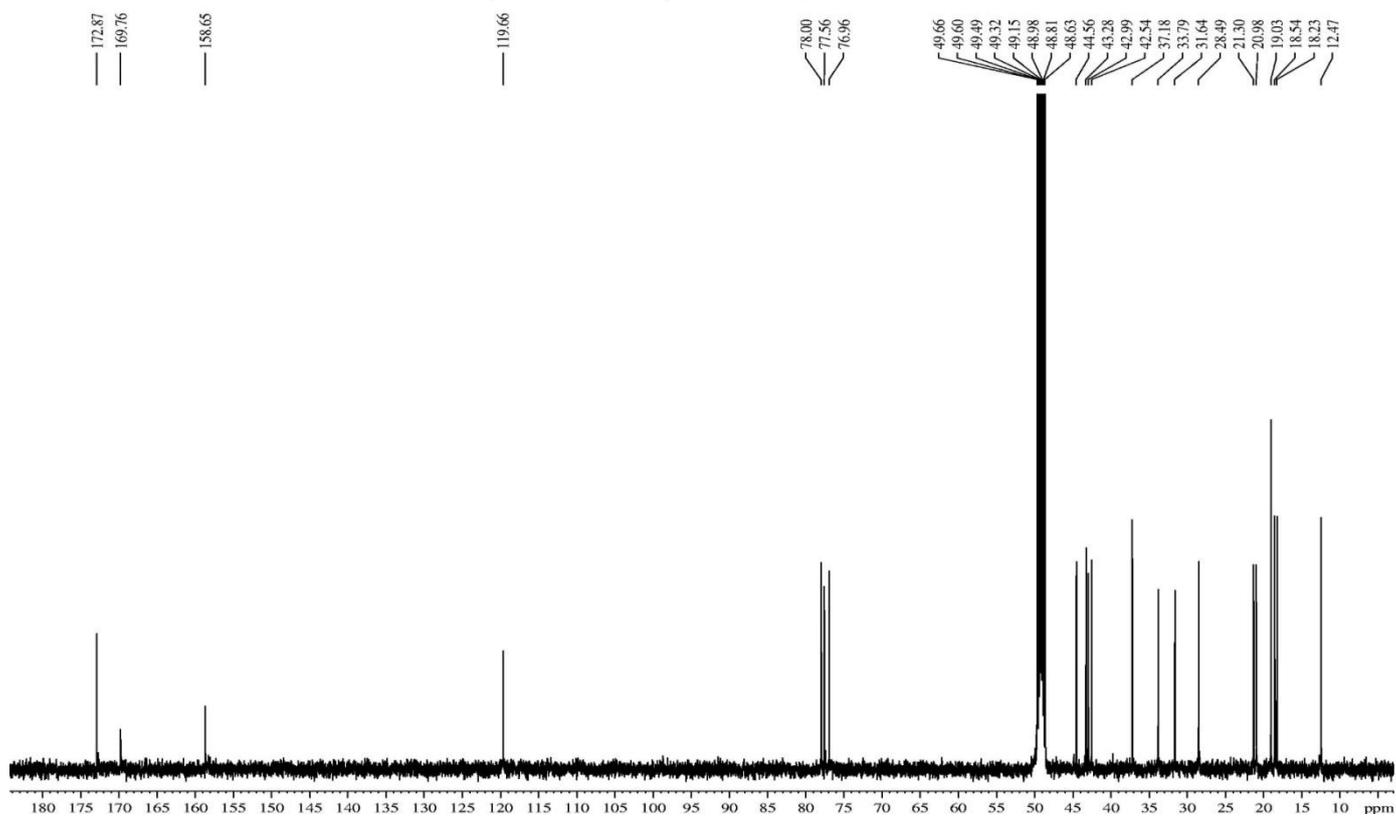


Figure S19. ^{13}C NMR (500 MHz, MeOD) spectrum of ornatin C (**3**).

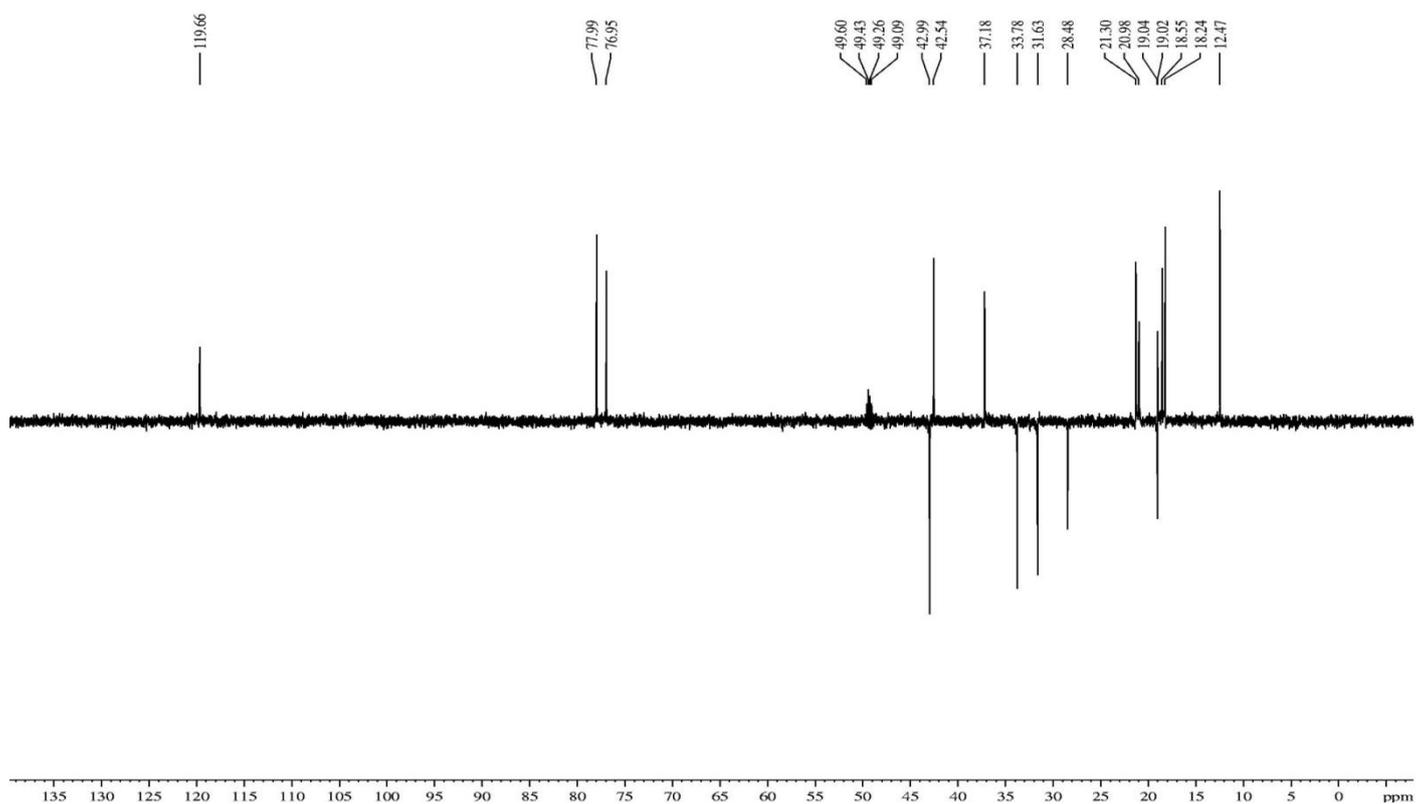


Figure S20. NMR DEPT 135° (500 MHz, MeOD) spectrum of ornatin C (**3**).

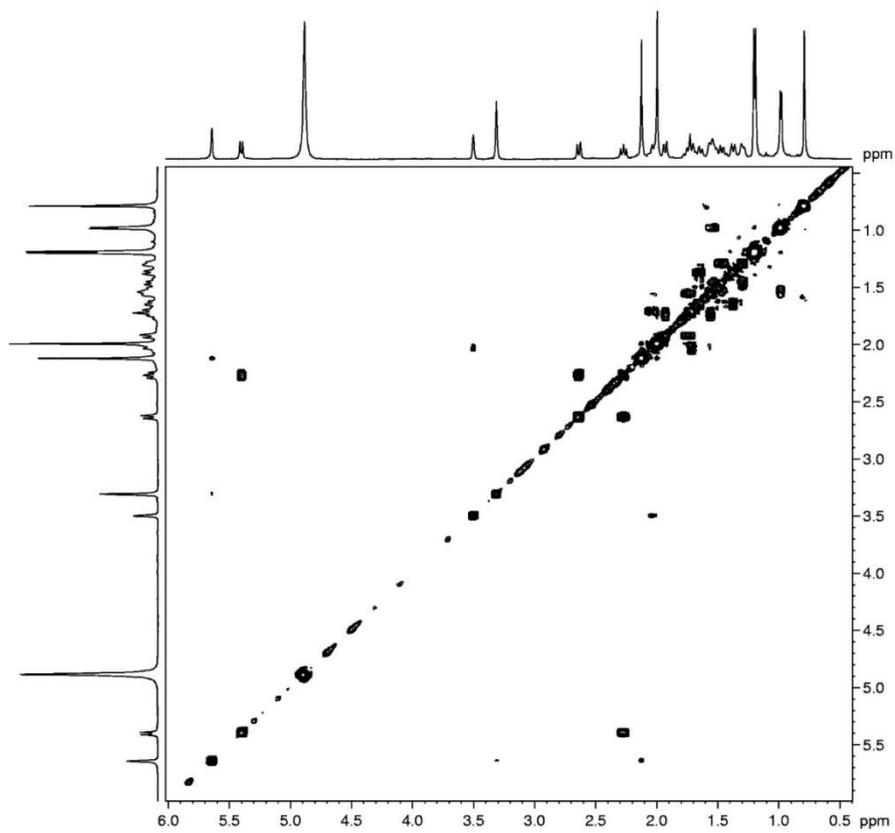


Figure S21. ^1H - ^1H COSY NMR (500 MHz, MeOD) spectrum of ornatin C (**3**).

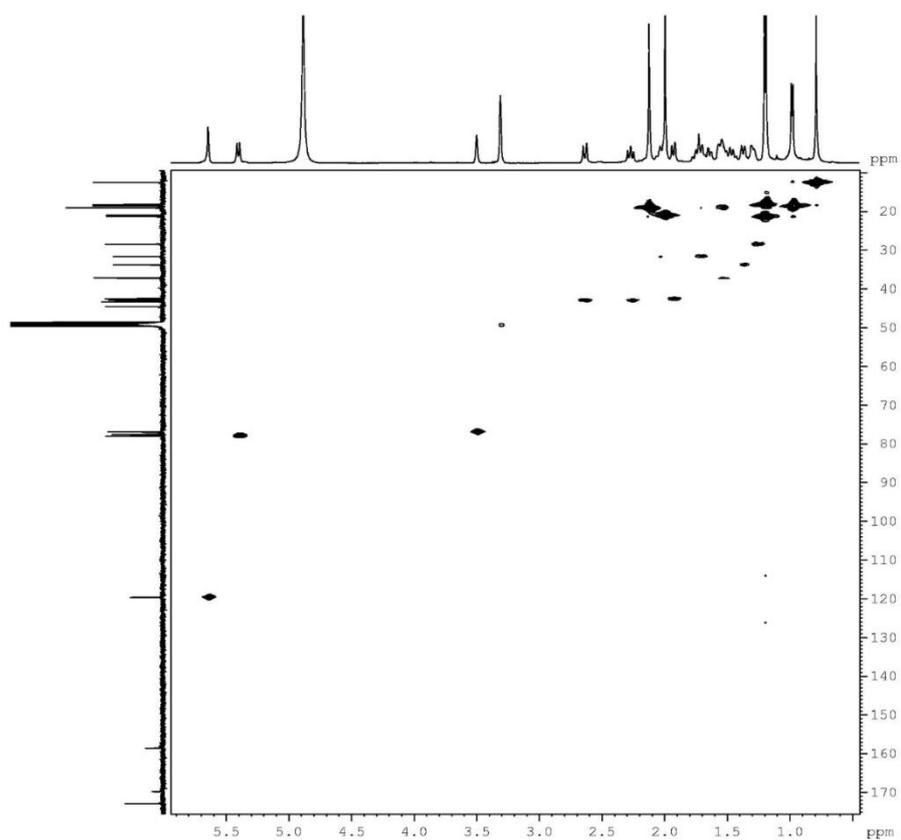


Figure S22. ^1H - ^{13}C HMQC 2D NMR (500 MHz, MeOD) spectrum of ornatin C (**3**).

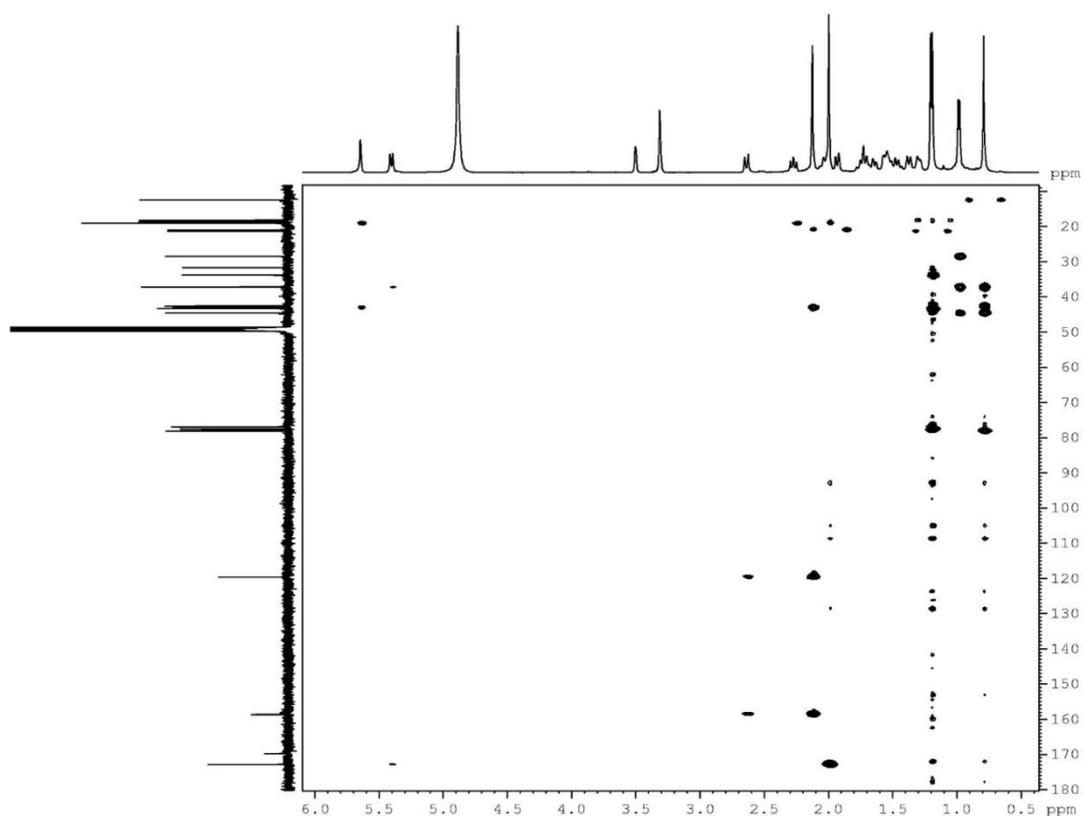


Figure S23. ^1H - ^{13}C HMBC 2D NMR (500 MHz, MeOD) spectrum of ornatin C (**3**).

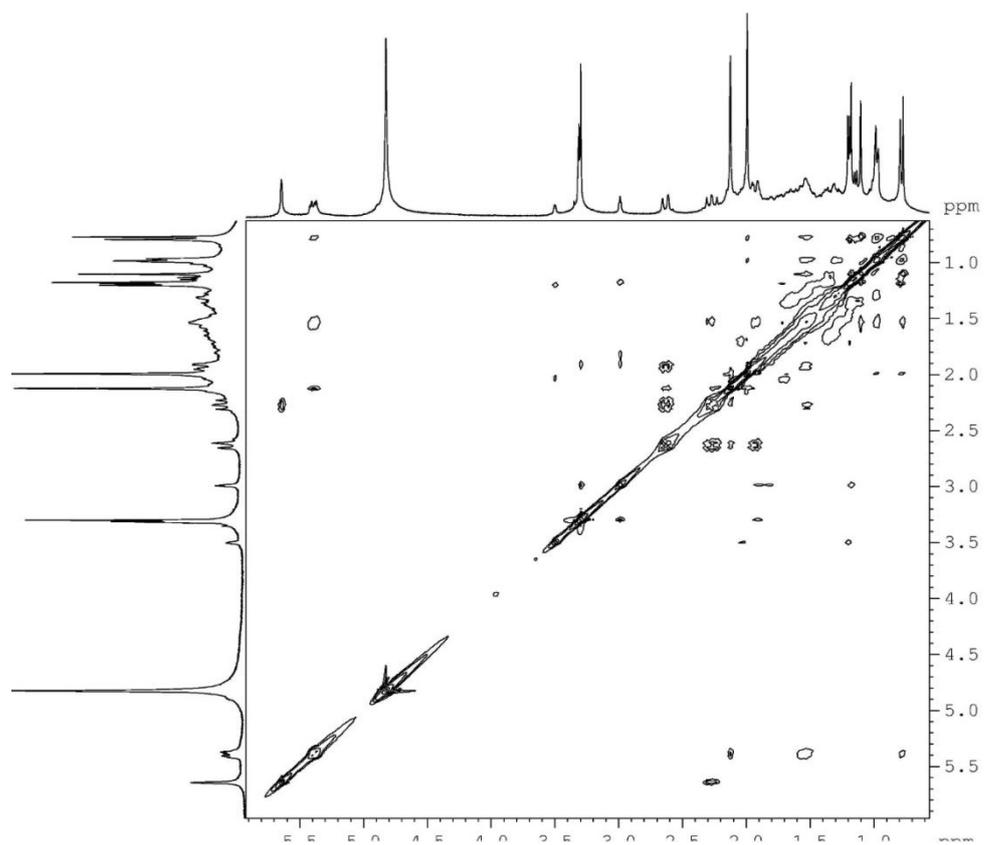


Figure S24. ^1H - ^1H NOESY 2D NMR (500 MHz, MeOD) spectrum of ornatin C (**3**).

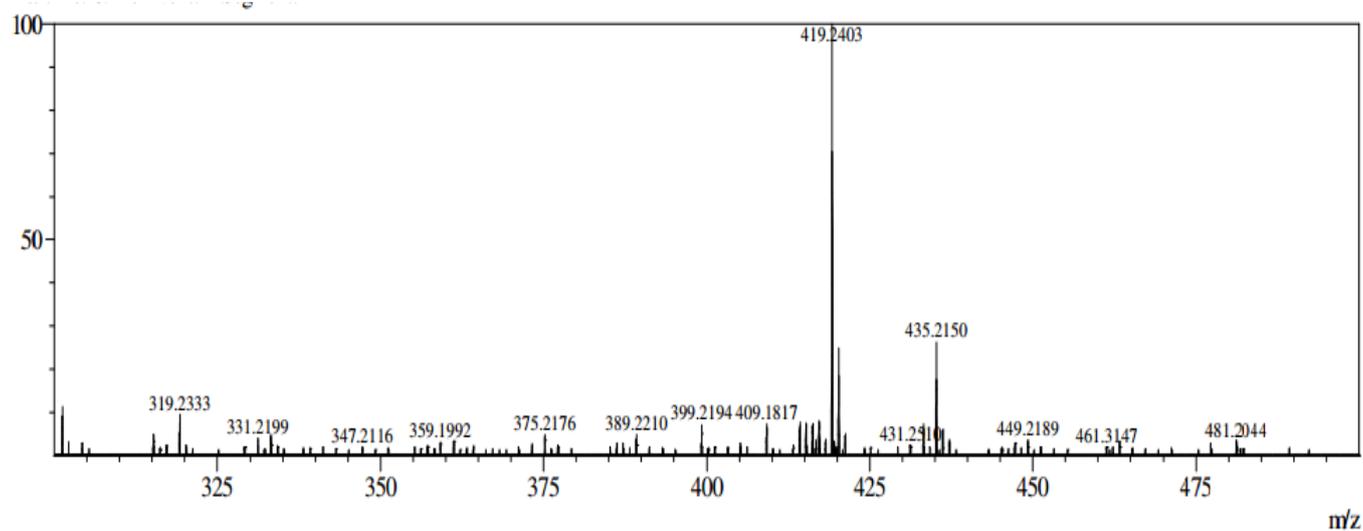


Figure S25. HRESIMS of ornatin C (**3**).

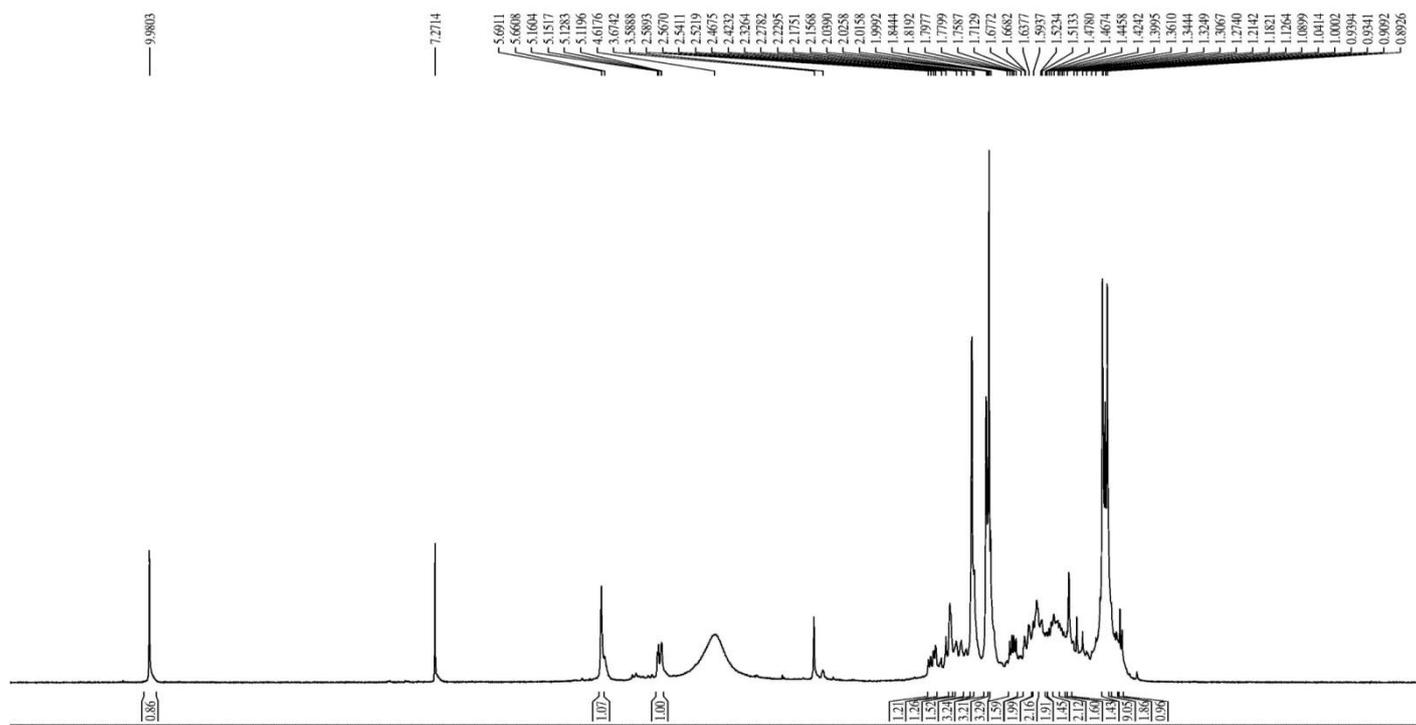


Figure S26. ^1H NMR (300 MHz, CDCl_3) spectrum of ornatin D (**4**).

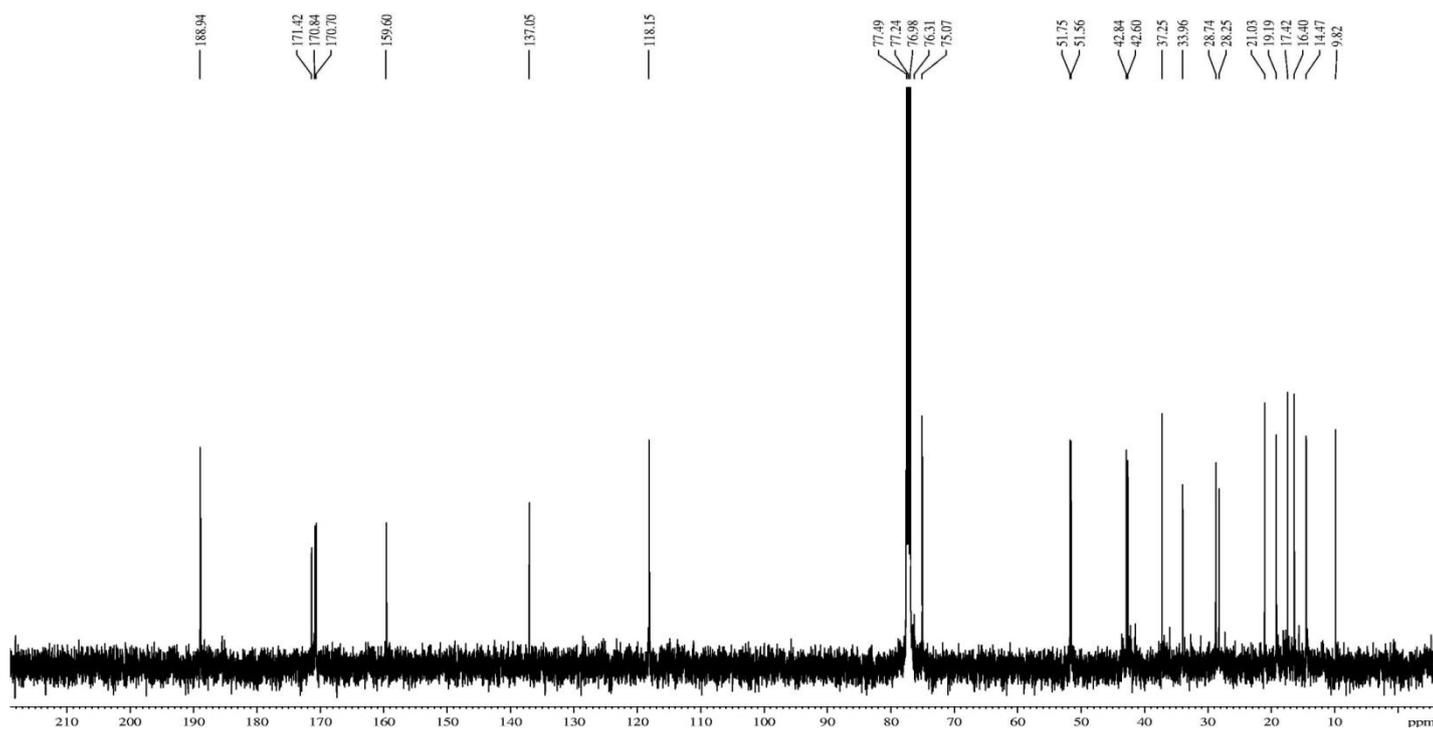


Figure S27. ^{13}C NMR (300 MHz, CDCl_3) spectrum of ornatin D (**4**).

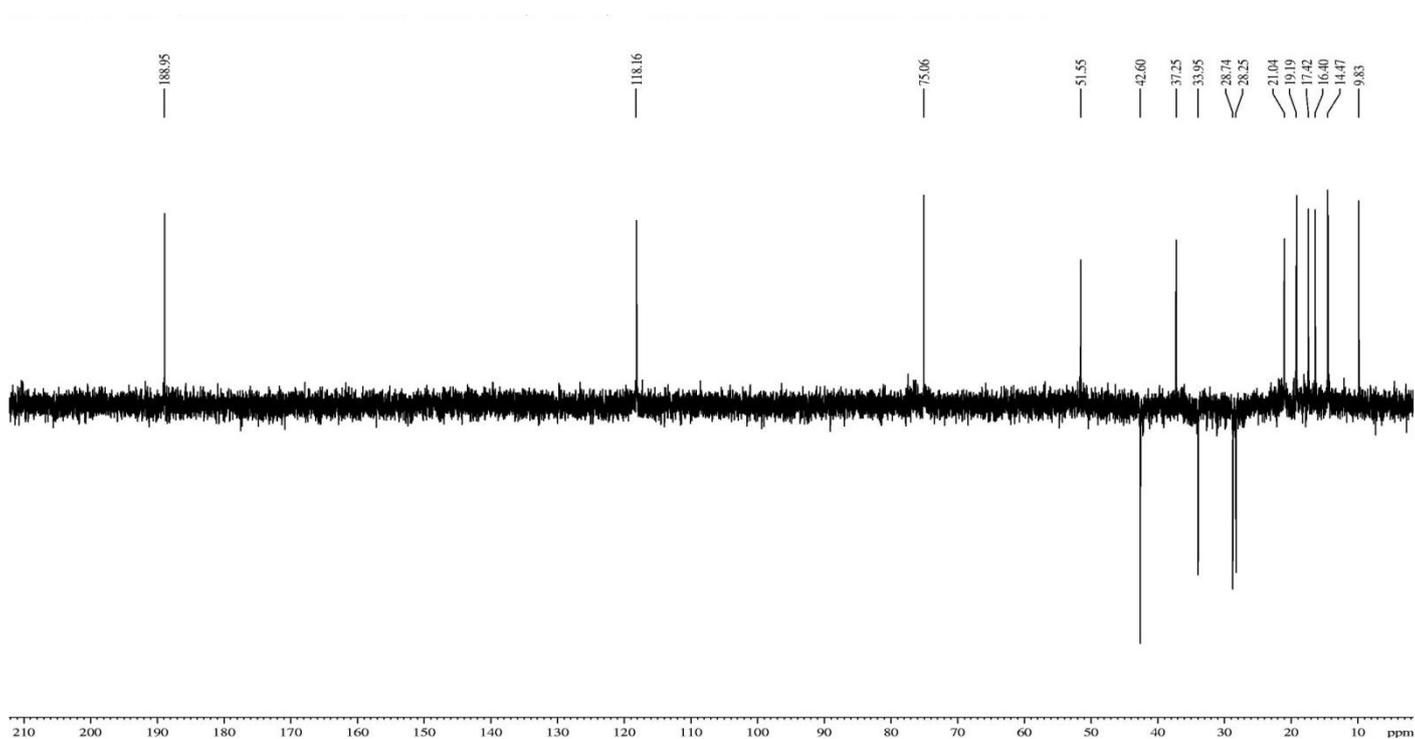


Figure S28. NMR DEPT 135° (300 MHz, CDCl₃) spectrum of ornatin D (**4**).

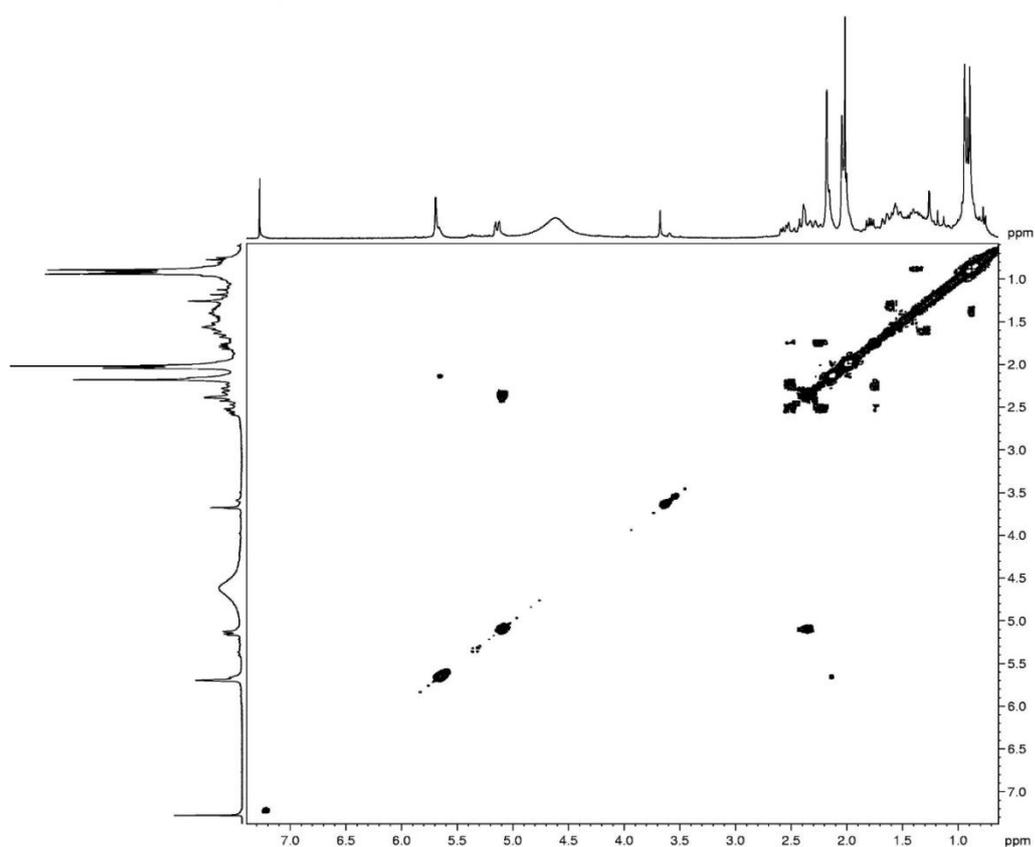


Figure S29. ¹H-¹H COSY NMR (300 MHz, CDCl₃) spectrum of ornatin D (**4**).

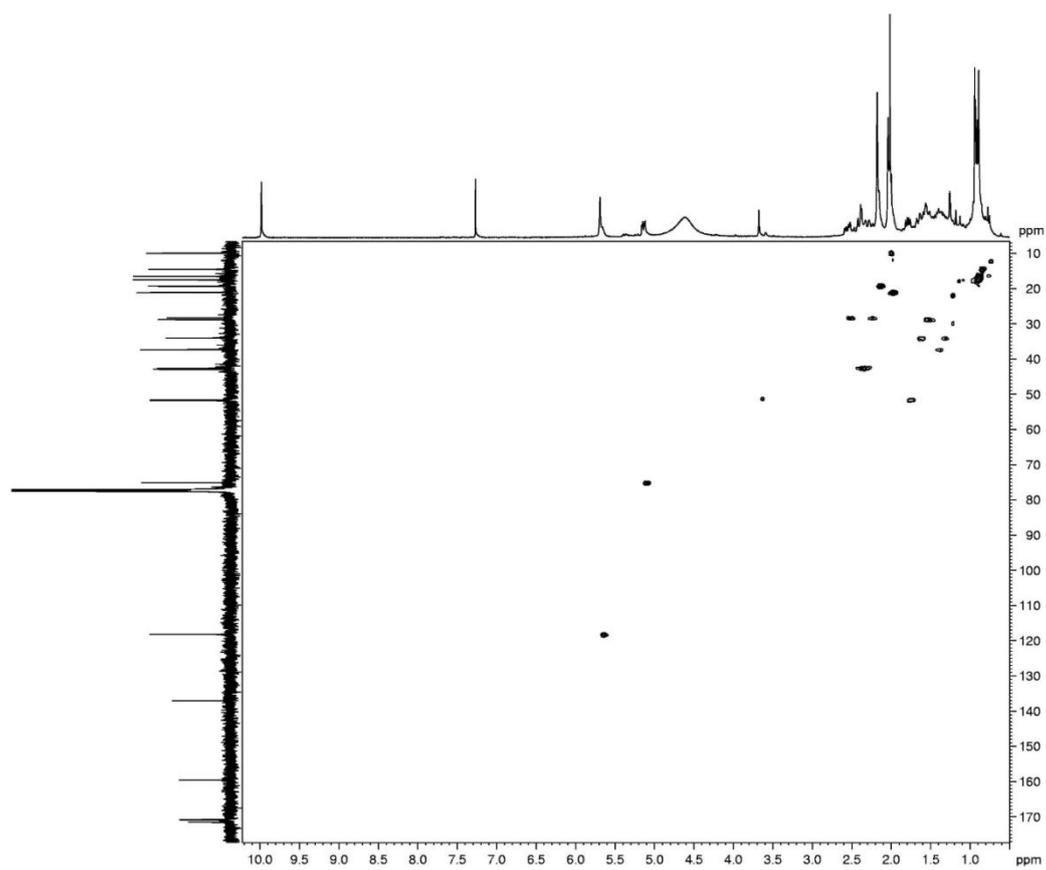


Figure S30. ^1H - ^{13}C HSQC 2D NMR (300 MHz, CDCl_3) spectrum of ornatin D (**4**).

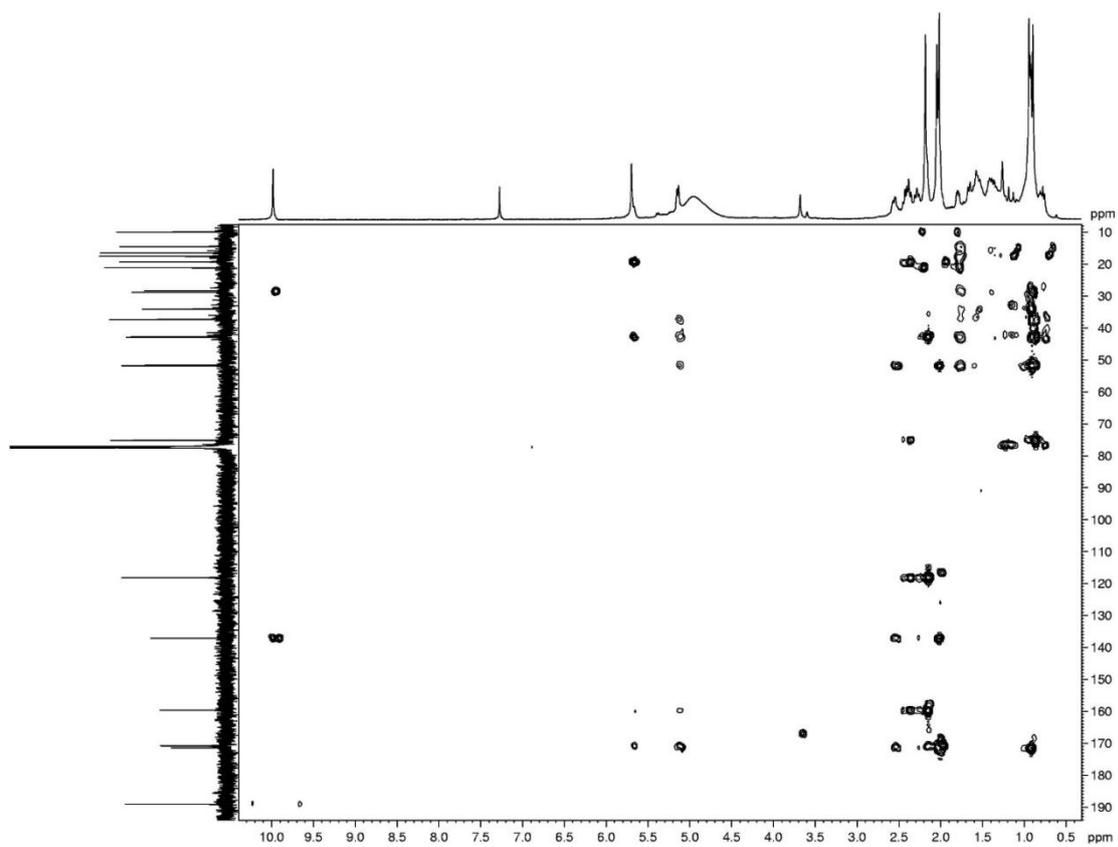


Figure S31. ^1H - ^{13}C HMBC 2D NMR (300 MHz, CDCl_3) spectrum of ornatin D (**4**).

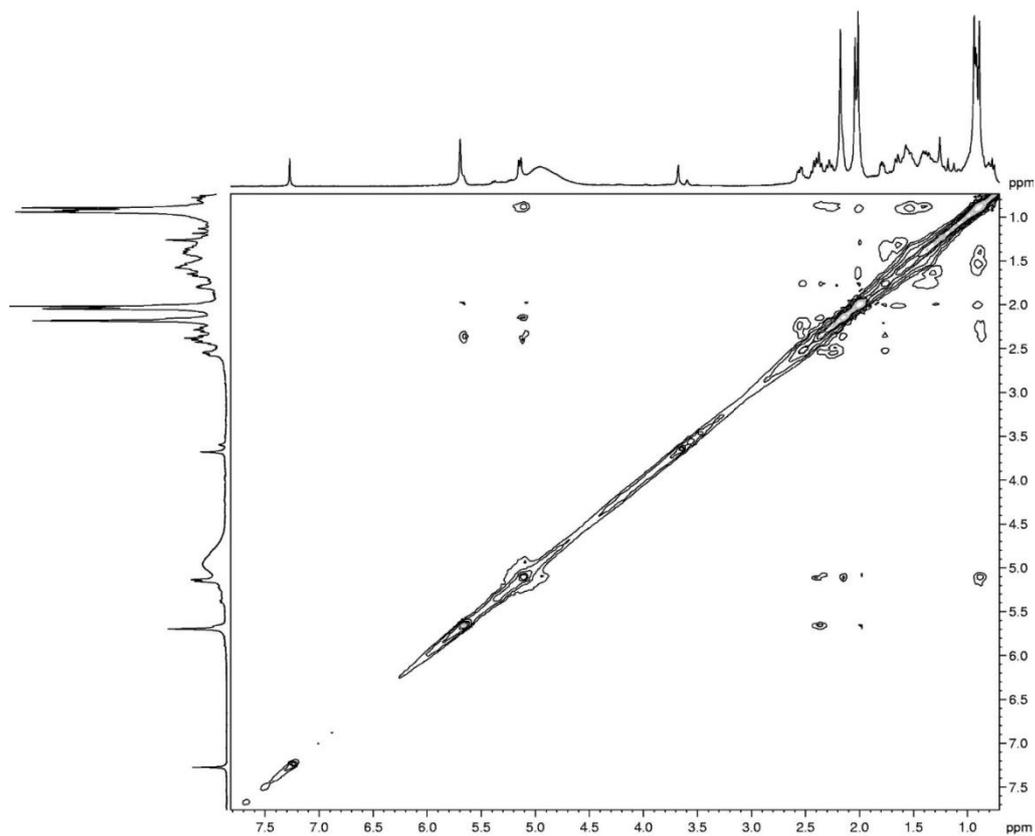


Figure S32. ^1H - ^1H NOESY 2D NMR (300 MHz, CDCl_3) spectrum of ornatin D (**4**).

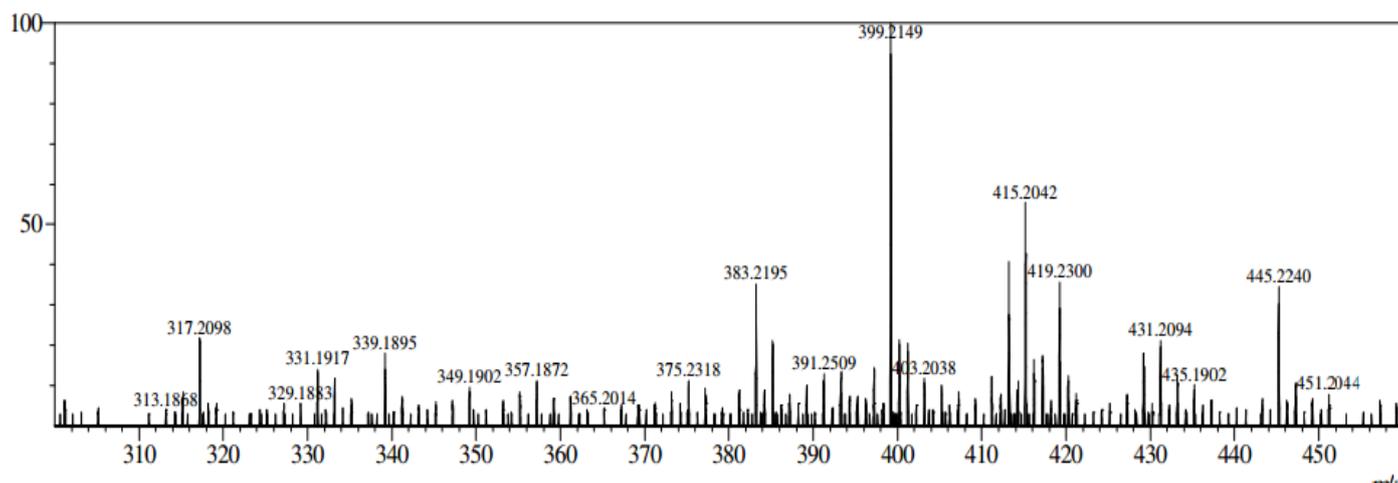


Figure S33. HRESIMS of ornatin D (**4**).

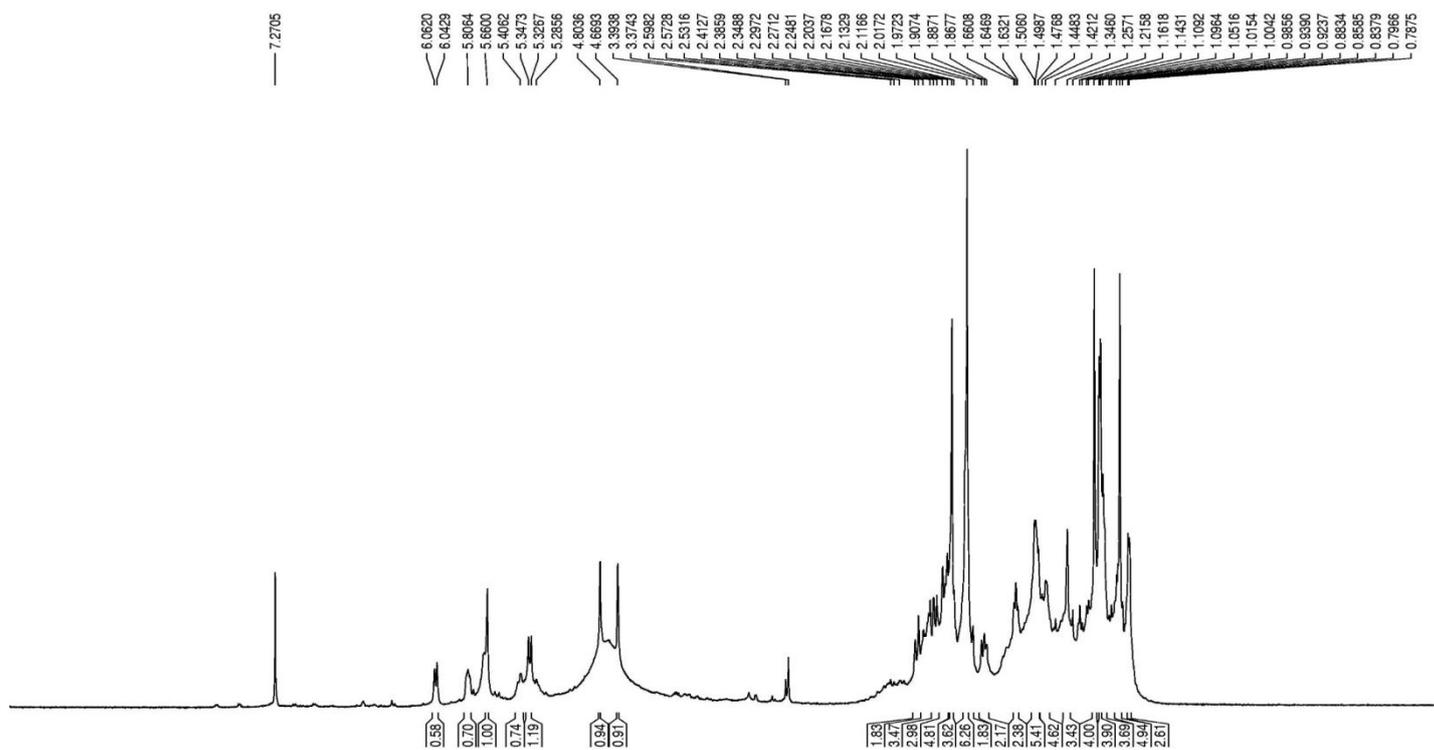


Figure S34. ^1H NMR (500 MHz, CDCl_3) spectrum of ornatin E (**5**).

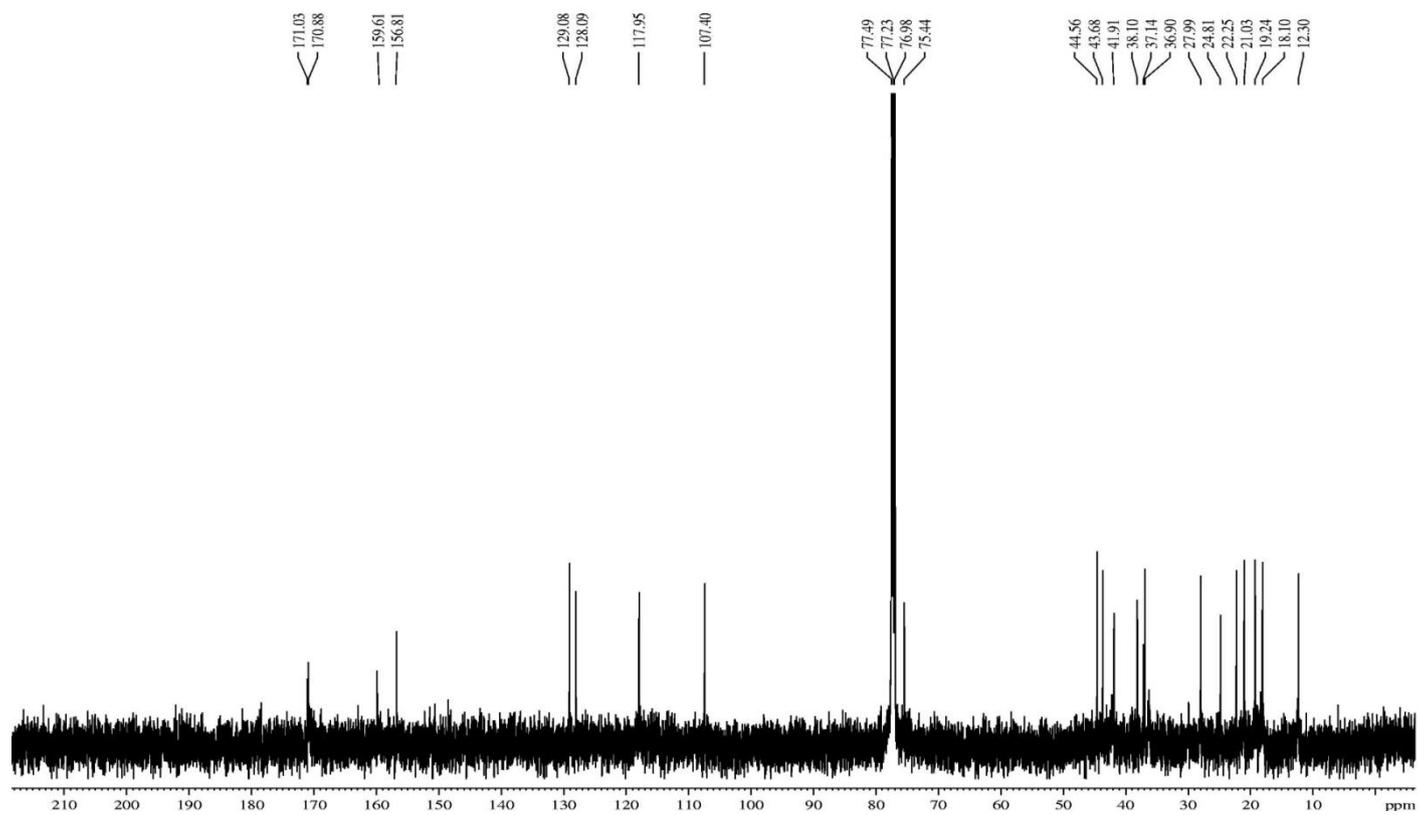


Figure S35. ^{13}C NMR (125 MHz, CDCl_3) spectrum of ornatin E (**5**).

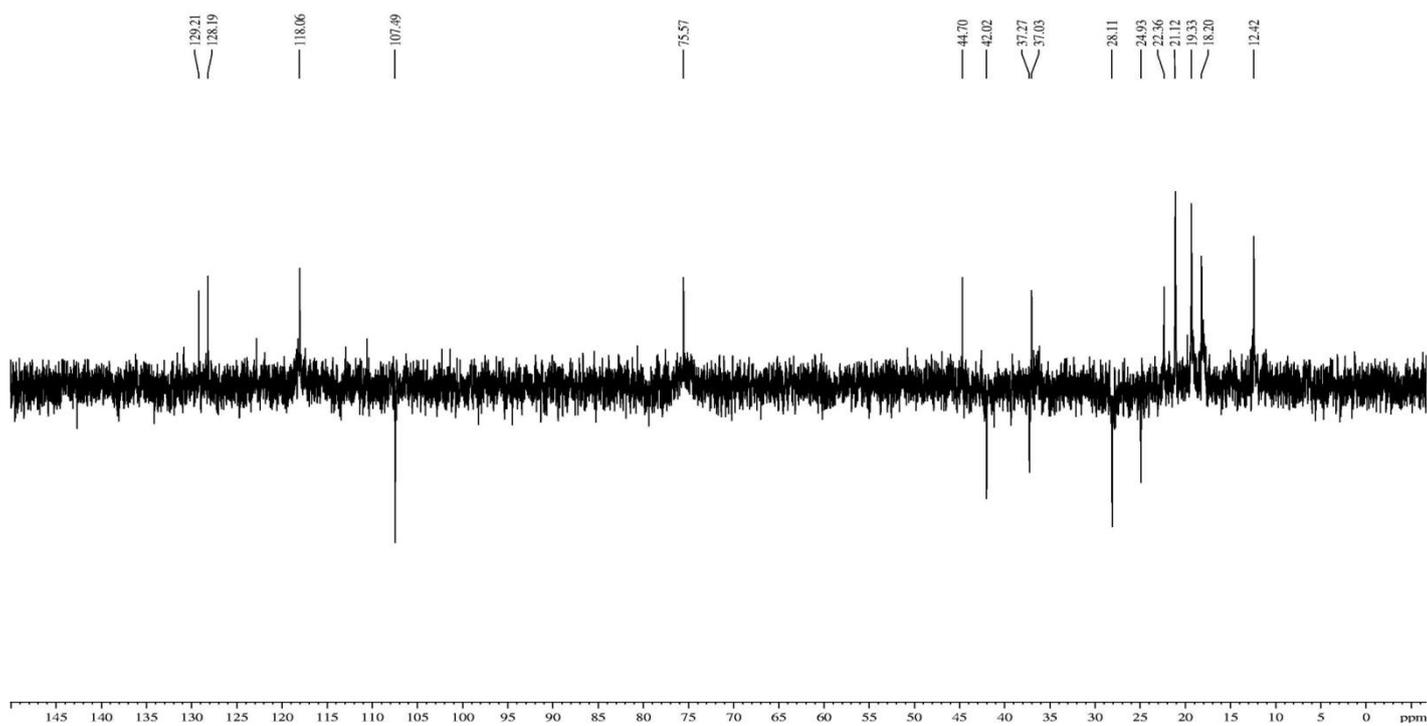


Figure S36. NMR DEPT 135° (125 MHz, CDCl₃) spectrum of ornatin E (**5**).

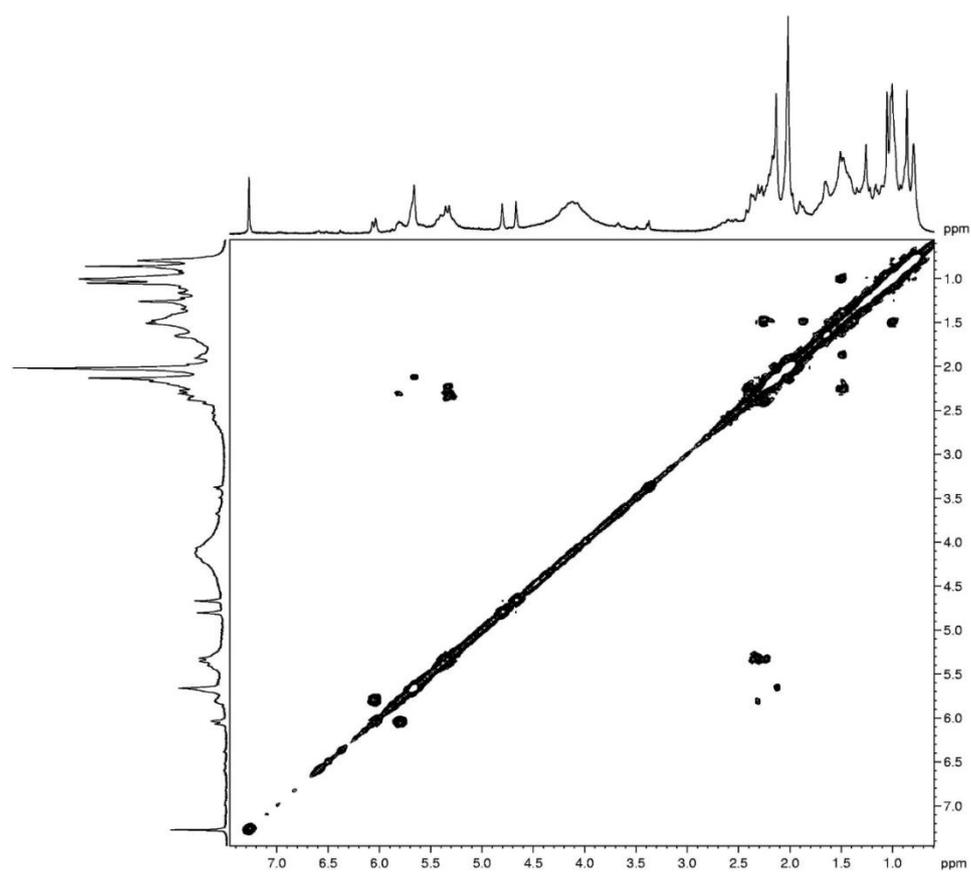


Figure S37. ¹H-¹H COSY NMR (500 MHz, CDCl₃) spectrum of ornatin E (**5**).

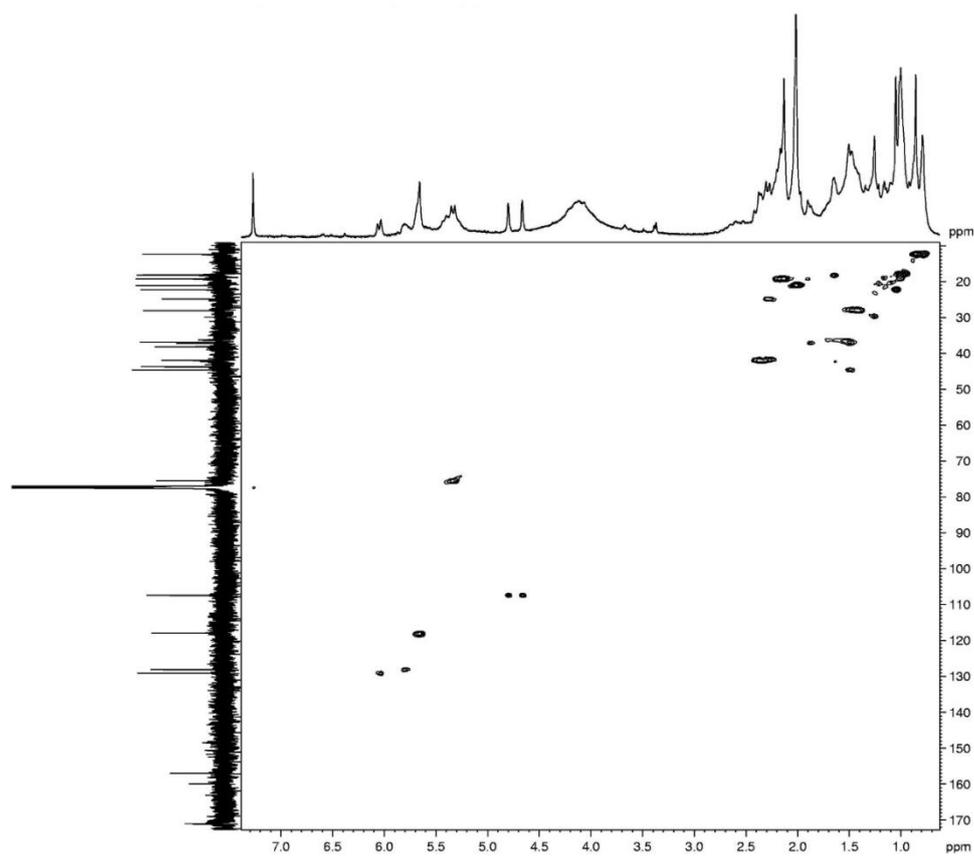


Figure S38. ^1H - ^{13}C HSQC 2D NMR (500 MHz, CDCl_3) spectrum of ornatin E (**5**).

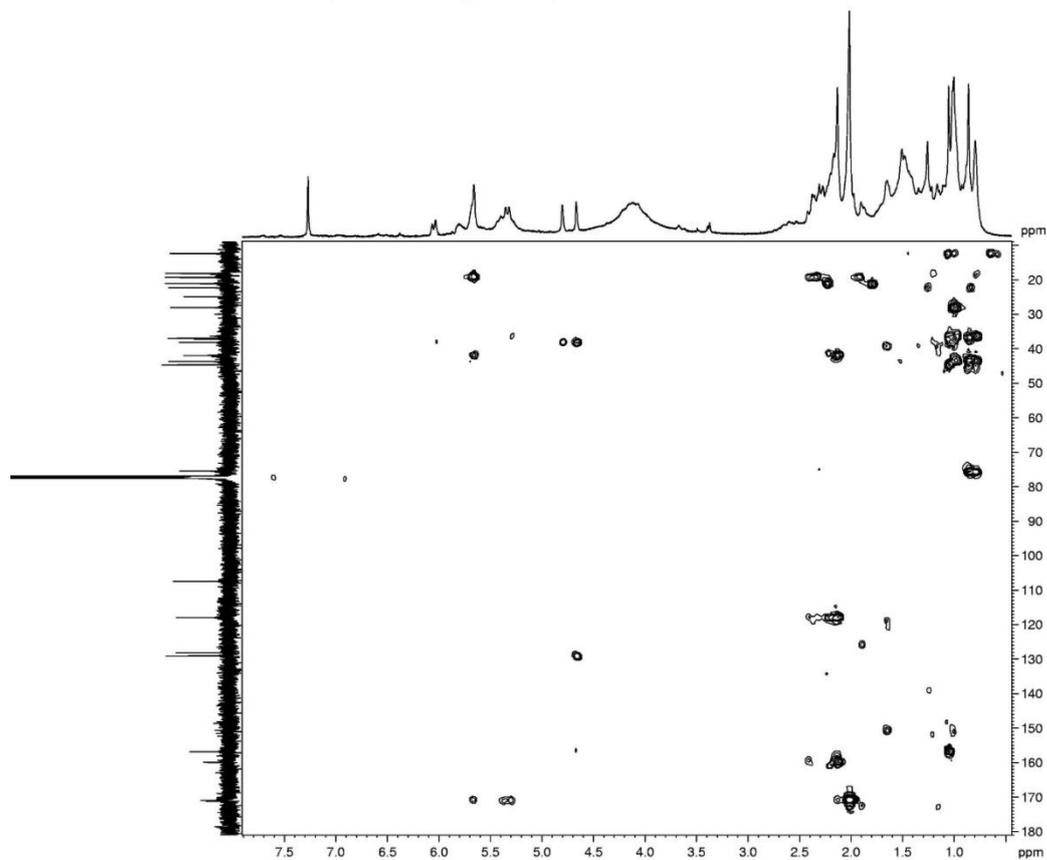


Figure S39. ^1H - ^{13}C HMBC 2D NMR (500 MHz, CDCl_3) spectrum of ornatin E (**5**).

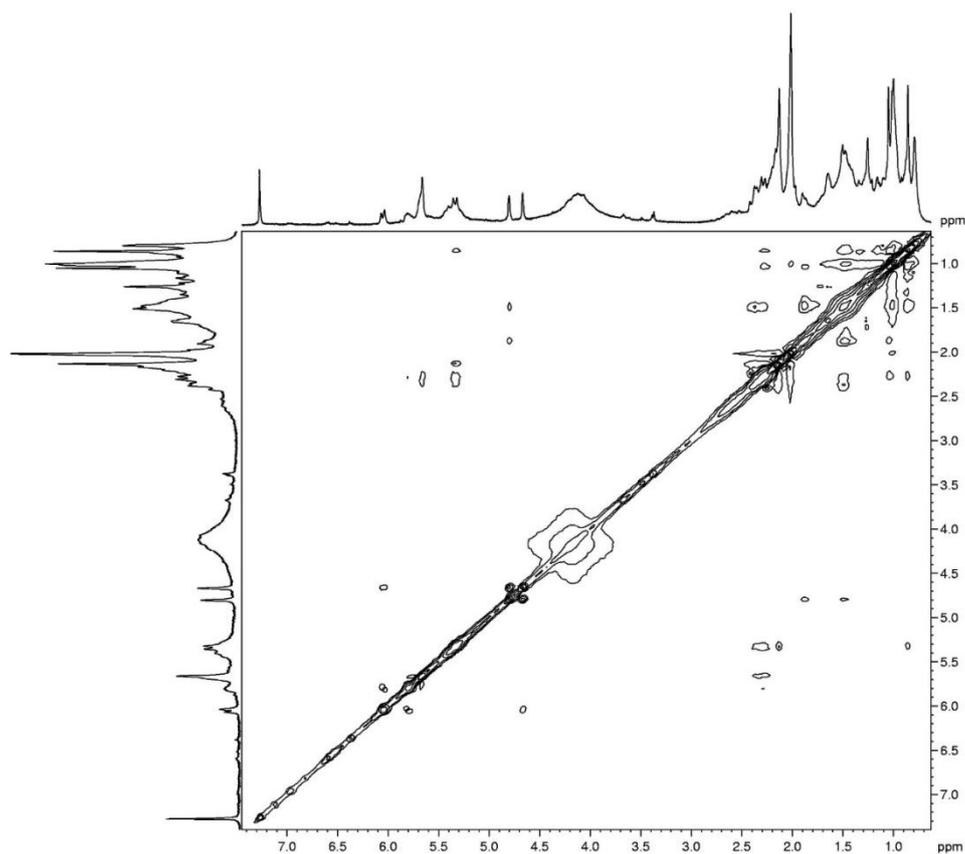


Figure S40. ^1H - ^1H NOESY 2D NMR (300 MHz, CDCl_3) spectrum of ornatin E (**5**).

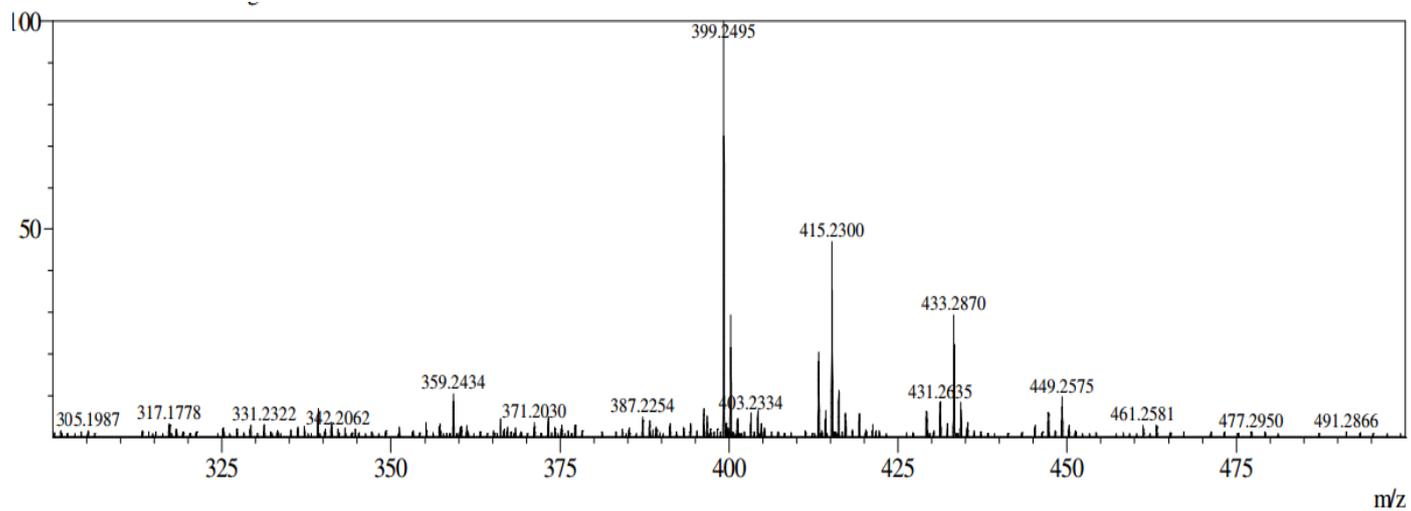


Figure S41. HRESIMS of ornatin E (**5**).