Supplementary Data: Anti-prion Butenolides and Diphenylpropanones from the Australian Ascidian *Polycarpa procera*

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Contents:

- Figure S1-1: ¹H NMR spectrum (500 MHz) of 1 in DMSO- d_6
- Figure S1-2: ¹³C NMR spectrum (125 MHz) of 1 in DMSO-*d*₆
- Figure S1-3: COSY NMR spectrum (500 MHz) of 1 in DMSO- d_6
- Figure S1-4: HSQC NMR spectrum (500 MHz) of 1 in DMSO-d₆
- Figure S1-5: HMBC NMR spectrum (500 MHz) of 1 in DMSO-d₆
- Figure S1-6: HMBC NMR expansion (500 MHz) of 1 in DMSO-d₆
- Figure S1-7: (-) HRESIMS of 1
- Figure S1-8: ECD spectrum of 1 in MeOH
- Figure S1-9: ¹H NMR spectrum (500 MHz) of 1 in DMSO-*d*₆ under basic conditions
- **Figure S1-10:** ¹³C NMR spectrum (125 MHz) of **1** in DMSO- d_6 under basic conditions
- Figure S1-11: COSY NMR spectrum (500 MHz) of 1 in DMSO-d₆ under basic conditions
- Figure S1-12: HSQC NMR spectrum (500 MHz) of 1 in DMSO-*d*₆ under basic conditions
- Figure S1-13: HMBC NMR spectrum (500 MHz) of 1 in DMSO- d_6 under basic conditions
- Figure S2-1: ¹H NMR spectrum (800 MHz) of 2 in DMSO- d_6
- Figure S2-2: 13 C NMR spectrum (200 MHz) of 2 in DMSO- d_6
- Figure S2-3: COSY NMR spectrum (800 MHz) of 2 in DMSO-d₆
- Figure S2-4: HSQC NMR spectrum (800 MHz) of 2 in DMSO-d₆
- Figure S2-5: HMBC NMR spectrum (800 MHz) of 2 in DMSO-d₆
- Figure S2-6: (-) HRESIMS of 2
- **Figure S3-1:** ¹H NMR spectrum (500 MHz) of **3** in DMSO- d_6
- **Figure S3-2:** ¹³C NMR spectrum (125 MHz) of **3** in DMSO- d_6
- Figure S3-3: COSY NMR spectrum (500 MHz) of 3 in DMSO-d₆
- Figure S3-4: HSQC NMR spectrum (500 MHz) of 3 in DMSO-d₆
- Figure S3-5: HMBC NMR spectrum (500 MHz) of 3 in DMSO-d₆

Figure S3-6: (-) HRESIMS of 3

Figure S3-7: ECD spectrum of 3 in MeOH

- Figure S4-1: ¹H NMR spectrum (500 MHz) of 4 in DMSO- d_6
- Figure S4-2: ¹³C NMR spectrum (125 MHz) of 4 in DMSO-*d*₆
- Figure S4-3: COSY NMR spectrum (500 MHz) of 4 in DMSO-d₆
- Figure S4-4: HSQC NMR spectrum (500 MHz) of 4 in DMSO-d₆
- Figure S4-5: HMBC NMR spectrum (500 MHz) of 4 in DMSO-d₆
- Figure S4-6: (-) HRESIMS of 4
- Figure S4-7: ECD spectrum of 4 in MeOH
- **Figure S5-1:** ¹H NMR spectrum (500 MHz) of **5** in DMSO- d_6
- Figure S5-2: ¹³C NMR spectrum (125 MHz) of 5 in DMSO-*d*₆
- Figure S5-3: COSY NMR spectrum (500 MHz) of 5 in DMSO-d₆
- Figure S5-4: HSQC NMR spectrum (500 MHz) of 5 in DMSO-d₆
- Figure S5-5: HMBC NMR spectrum (500 MHz) of 5 in DMSO-d₆
- Figure S5-6: (-) HRESIMS of 5
- Figure S5-7: ECD spectrum of 5 in MeOH
- Figure S6-1: ¹H NMR spectrum (800 MHz) of 6 in DMSO- d_6
- Figure S6-2: 13 C NMR spectrum (200 MHz) of 6 in DMSO- d_6
- Figure S6-3: COSY NMR spectrum (800 MHz) of 6 in DMSO-d₆
- Figure S6-4: HSQC NMR spectrum (800 MHz) of 6 in DMSO-d₆
- Figure S6-5: HMBC NMR spectrum (800 MHz) of 6 in DMSO-d₆
- Figure S6-6: (-) HRESIMS of 6
- Figure S5-7: ECD spectrum of 5 in MeOH
- Figure S6-7: ¹H NMR spectrum (800 MHz) of 6 in DMSO-*d*₆ under basic conditions

Figure S6-8: COSY NMR spectrum (800 MHz) of **6** in DMSO- d_6 under basic conditions **Figure S6-9:** HSQC NMR spectrum (800 MHz) of **6** in DMSO- d_6 under basic conditions **Figure S6-10:** HMBC NMR spectrum (800 MHz) of **6** in DMSO- d_6 under basic conditions



Figure S1-1: ¹H NMR spectrum (500 MHz) of **1** in DMSO- d_6



Figure S1-2: ¹³C NMR spectrum (125 MHz) of **1** in DMSO- d_6



Figure S1-3: COSY NMR spectrum (500 MHz) of **1** in DMSO-*d*₆



Figure S1-4: HSQC NMR spectrum (500 MHz) of **1** in DMSO-*d*₆







Figure S1-6: HMBC NMR expansion (500 MHz) of **1** in DMSO-*d*₆



Figure S1-8: ECD spectrum of 1 in MeOH



Figure S1-9: ¹H NMR spectrum (500 MHz) of **1** in DMSO-*d*₆ under basic conditions



Figure S1-10: ¹³C NMR spectrum (125 MHz) of **1** in DMSO- d_6 under basic conditions



Figure S1-11: COSY NMR spectrum (500 MHz) of **1** in DMSO- d_6 under basic conditions



Figure S1-12: HSQC NMR spectrum (500 MHz) of 1 in DMSO-*d*₆ under basic conditions



Figure S1-13: HMBC NMR spectrum (500 MHz) of **1** in DMSO- d_6 under basic conditions



Figure S2-1: ¹H NMR spectrum (800 MHz) of 2 in DMSO-*d*₆



Figure S2-2: ¹³C NMR spectrum (200 MHz) of **2** in DMSO- d_6 . NOTE: Intense impurity peaks are from TFA addition



Figure S2-3: COSY NMR spectrum (800 MHz) of **2** in DMSO-*d*₆



Figure S2-4: HSQC NMR spectrum (800 MHz) of **2** in DMSO-*d*₆



Figure S2-5: HMBC NMR spectrum (800 MHz) of **2** in DMSO-*d*₆



Figure S2-6: (-) HRESIMS of 2























Figure S3-6: (-) HRESIMS of 3



Figure S3-7: ECD spectrum of 3 in MeOH







Figure S4-2: ¹³C NMR spectrum (125 MHz) of 4 in DMSO-*d*₆



Figure S4-3: COSY NMR spectrum (500 MHz) of 4 in DMSO-*d*₆



Figure S4-4: HSQC NMR spectrum (500 MHz) of **4** in DMSO-*d*₆









Figure S4-7: ECD spectrum of 4 in MeOH



Figure S5-1: ¹H NMR spectrum (500 MHz) of **5** in DMSO- d_6







Figure S5-3: COSY NMR spectrum (500 MHz) of **5** in DMSO-*d*₆



Figure S5-4: HSQC NMR spectrum (500 MHz) of **5** in DMSO-*d*₆



Figure S5-5: HMBC NMR spectrum (500 MHz) of **5** in DMSO-*d*₆



Figure S5-7: ECD spectrum of 5 in MeOH











Figure S6-3: COSY NMR spectrum (800 MHz) of 6 in DMSO-*d*₆











Wavelenght (nm)

Figure S6-7: ECD spectrum of 6 in MeOH



Figure S6-8: ¹H NMR spectrum (800 MHz) of **6** in DMSO-*d*₆ under basic conditions



Figure S6-9: COSY NMR spectrum (800 MHz) of **6** in DMSO- d_6 under basic conditions



Figure S6-10: HSQC NMR spectrum (800 MHz) of 6 in DMSO-*d*₆ under basic conditions



Figure S6-11: HMBC NMR spectrum (800 MHz) of **6** in DMSO-*d*₆ under basic conditions