

Electronic Supporting Information for

Circularly polarised luminescence and circular dichroism of *L*- and *D*-oligopeptides with multiple pyrenes

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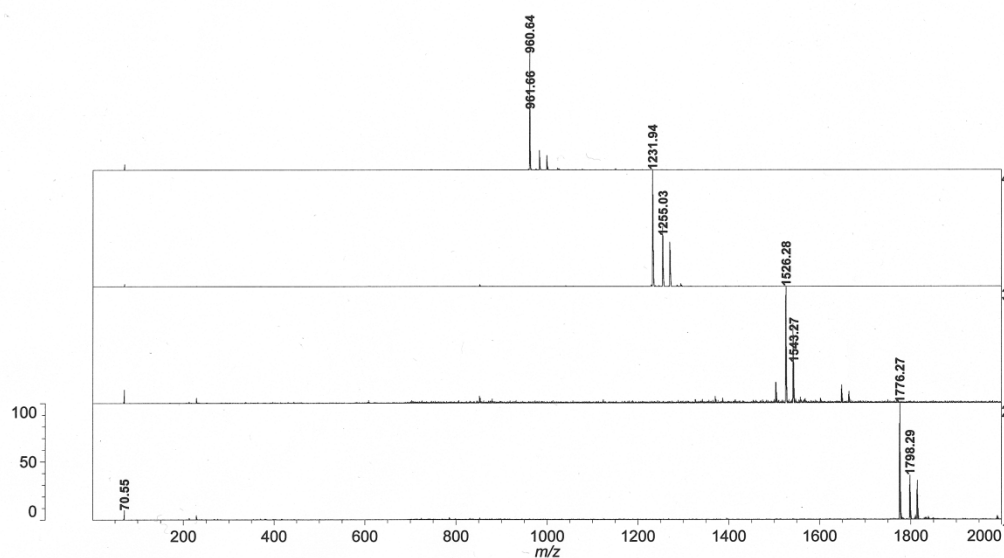


Fig. S1 MALDI-TOF mass spectra of **L-1**, **L-2**, **L-3** and **L-4**. An α -CHCA was used as a matrix. **L-1**; calcd. $[M+H]^+ = 959.52$, obsd. $[M+H]^+ = 960.64$, **L-2**; calcd. $[M+H]^+ = 1230.61$, obsd. $[M+H]^+ = 1231.94$, **L-3**; calcd. $[M+Na]^+ = 1523.71$, obsd. $[M+Na]^+ = 1525.28$, **L-4**; calcd. $[M+H]^+ = 1772.81$, obsd. $[M+H]^+ = 1775.27$.

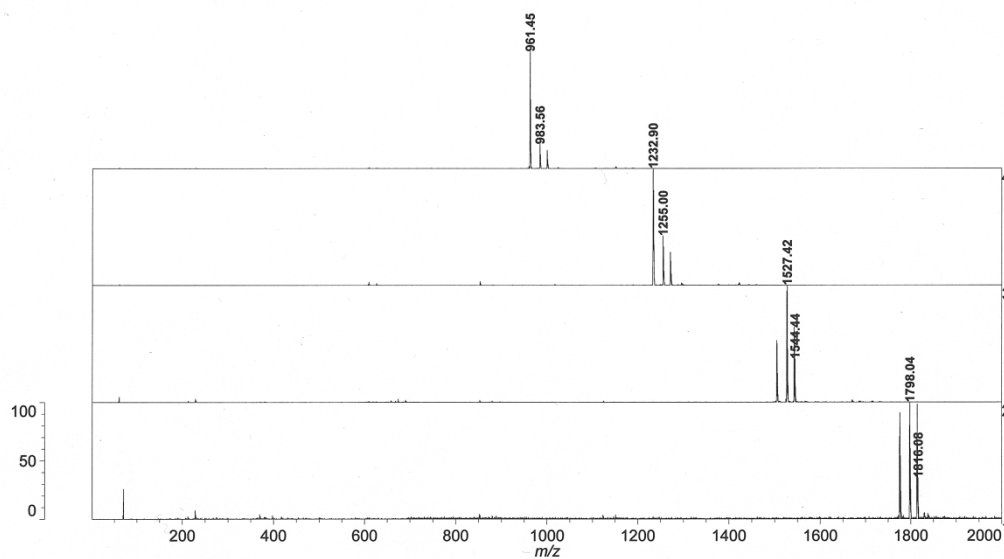


Fig. S2 MALDI-TOF mass spectra of **D-1**, **D-2**, **D-3** and **D-4**. An α -CHCA was used as a matrix. **D-1**; calcd. $[M+H]^+ = 959.52$, obsd. $[M+H]^+ = 961.45$, **D-2**; calcd. $[M+H]^+ = 1230.61$, obsd. $[M+H]^+ = 1232.90$, **D-3**; calcd. $[M+Na]^+ = 1523.71$, obsd. $[M+Na]^+ = 1526.42$, **D-4**; calcd. $[M+Na]^+ = 1794.81$, obsd. $[M+Na]^+ = 1797.04$.

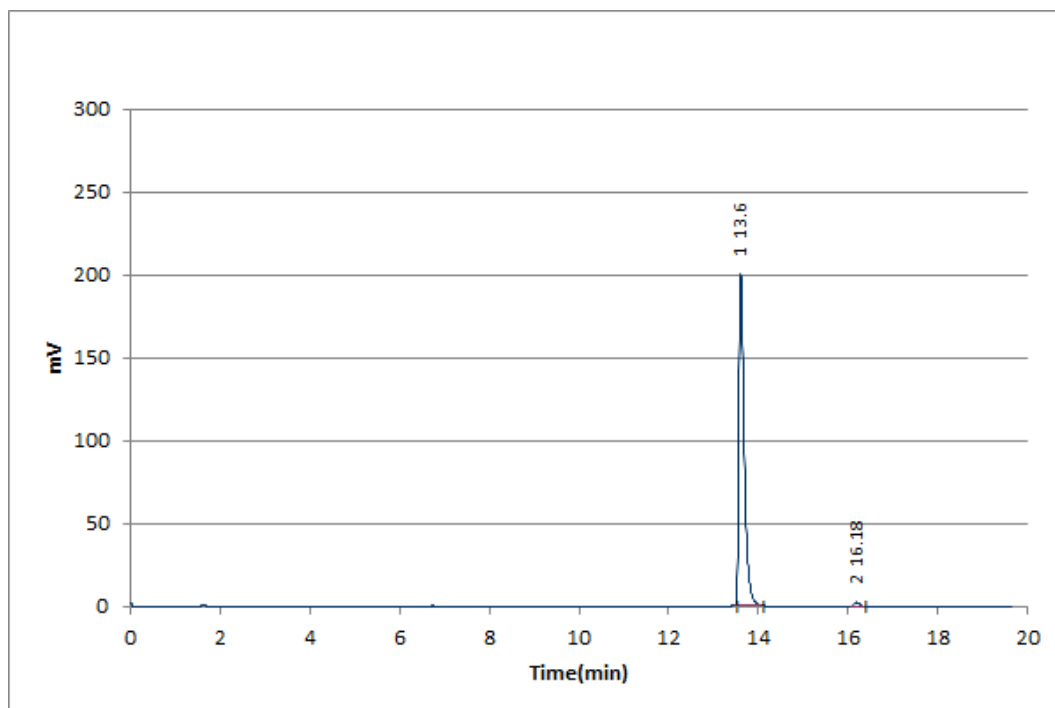


Fig. S3 RP-HPLC chart of **L-1**. Buffer A. 0.1% TFA in water; buffer B, acetonitrile and monitoring at 330 nm with a gradient of 0-100% for 20 min.

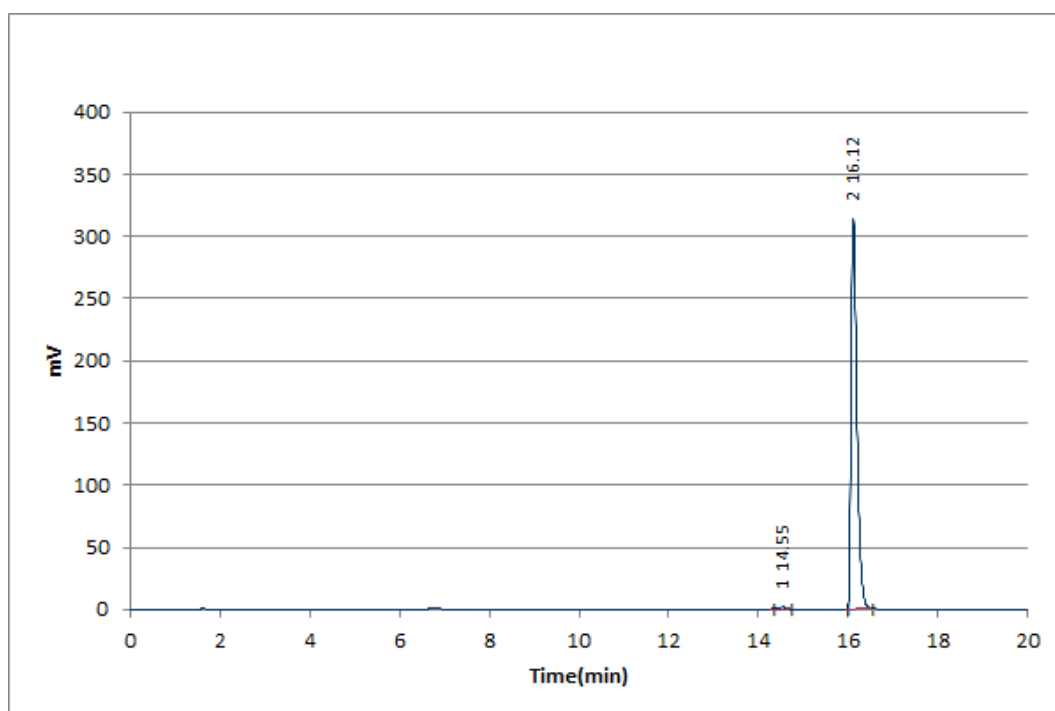


Fig. S4 RP-HPLC chart of **L-2**. Buffer A. 0.1% TFA in water; buffer B, acetonitrile and monitoring at 330 nm with a gradient of 0-100% for 20 min.

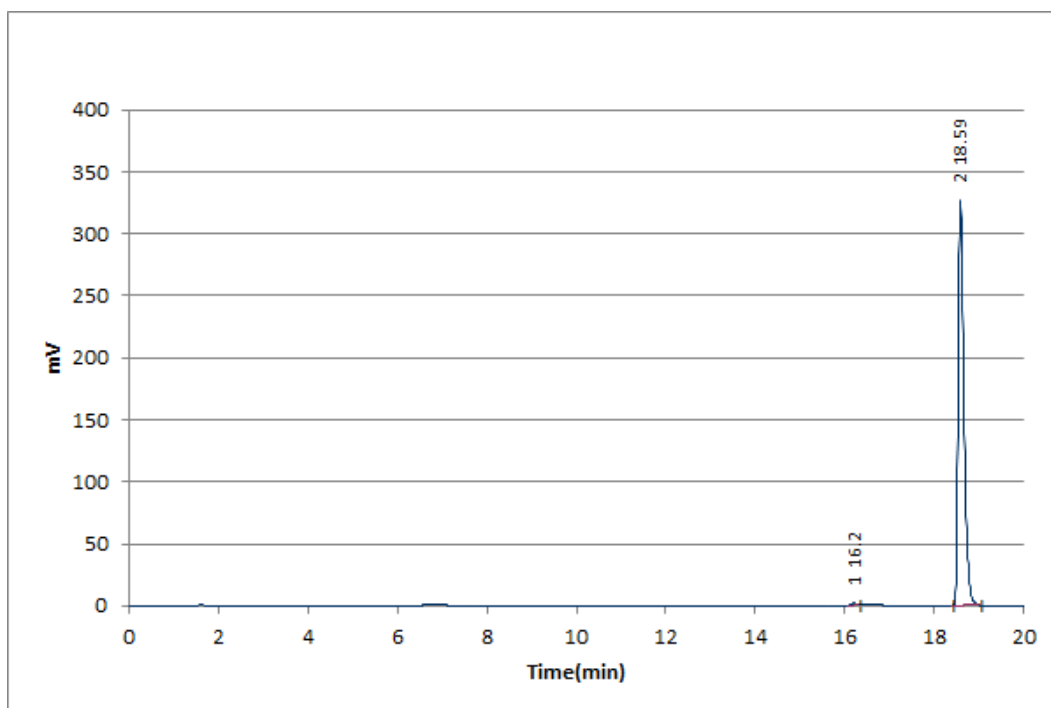


Fig. S5 RP-HPLC chart of **L-3**. Buffer A. 0.1% TFA in water; buffer B, acetonitrile and monitoring at 330 nm with a gradient of 0-100% for 20 min.

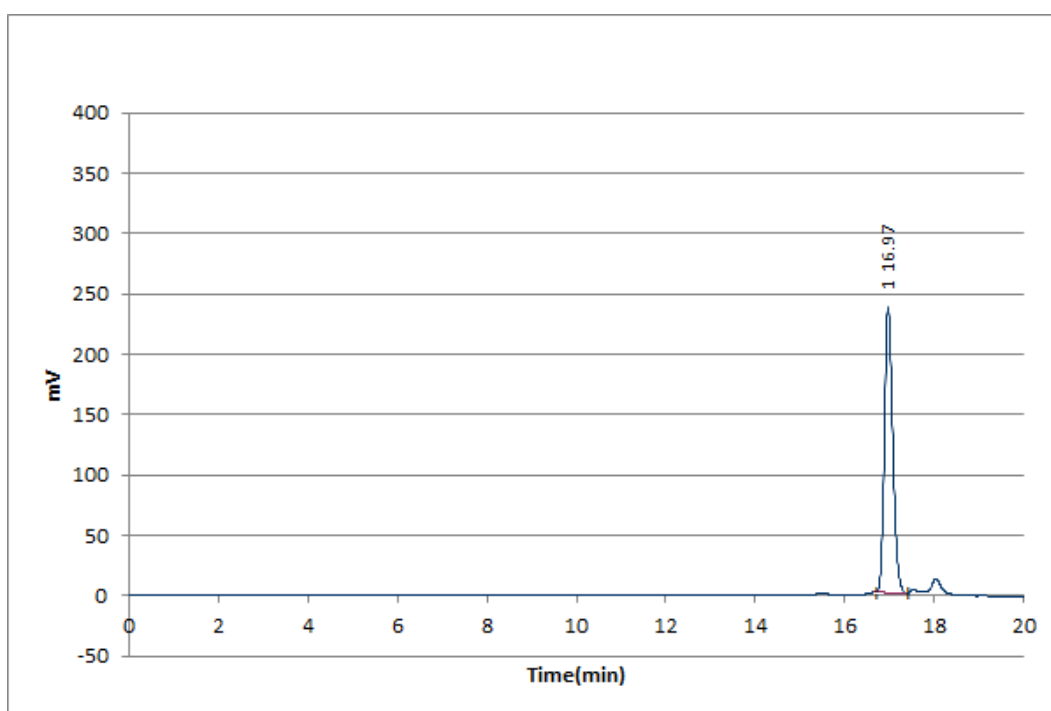


Fig. S6 RP-HPLC chart of **L-4**. Buffer A. 0.1% TFA in water; buffer B, acetonitrile and monitoring at 340 nm with a gradient of 40-100% for 20 min.

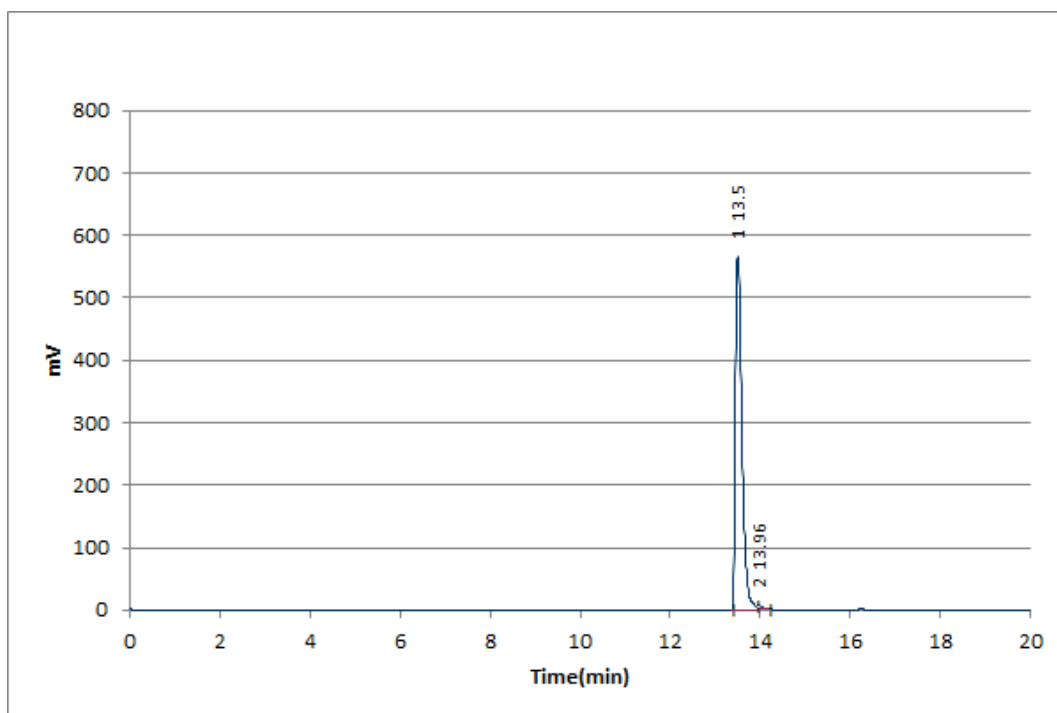


Fig. S7 RP-HPLC chart of **D-1**. Buffer A. 0.1% TFA in water; buffer B, acetonitrile and monitoring at 340 nm with a gradient of 0-100% for 20 min.

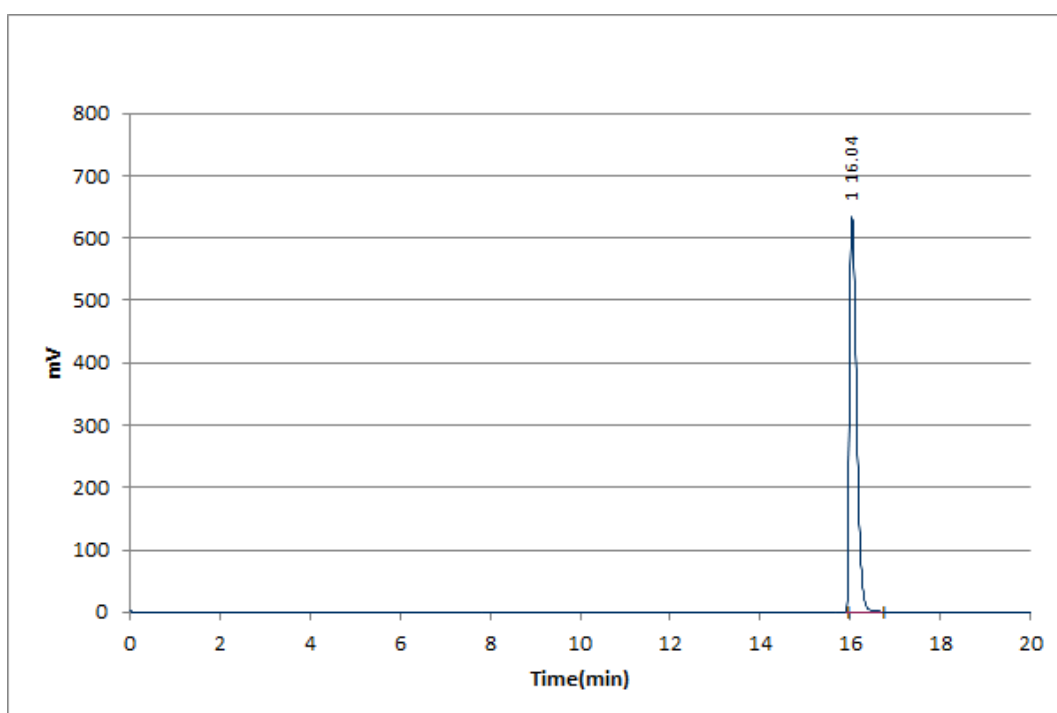


Fig. S8 RP-HPLC chart of **D-2**. Buffer A. 0.1% TFA in water; buffer B, acetonitrile and monitoring at 340 nm with a gradient of 0-100% for 20 min.

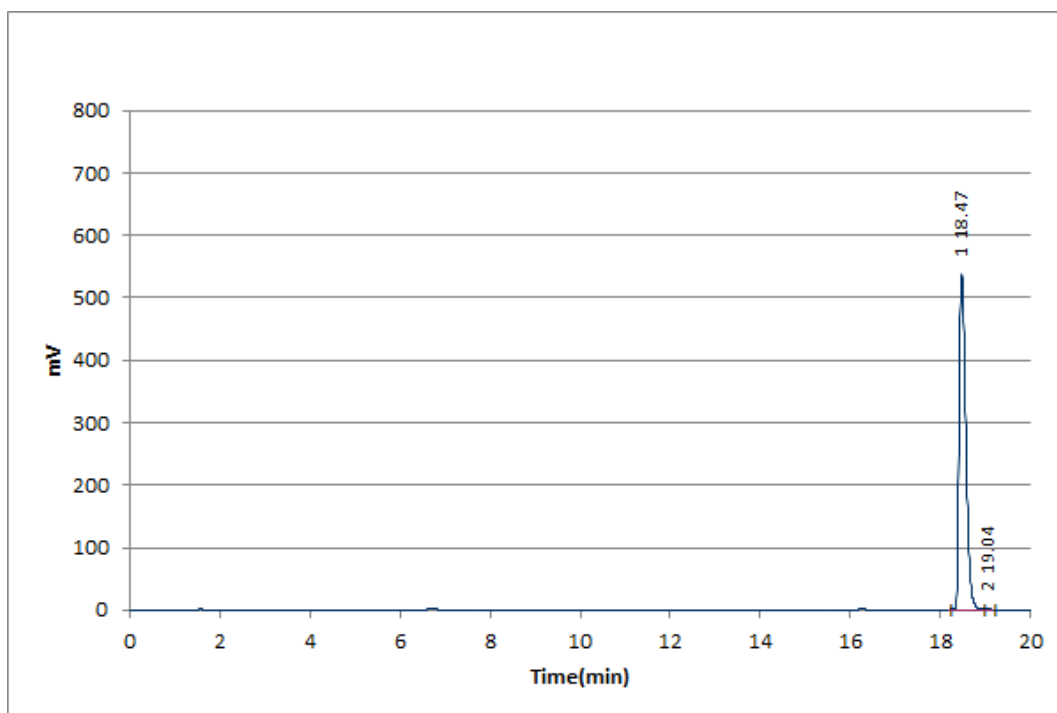


Fig. S9 RP-HPLC chart of **D-3**. Buffer A. 0.1% TFA in water; buffer B, acetonitrile and monitoring at 340 nm with a gradient of 0-100% for 20 min.

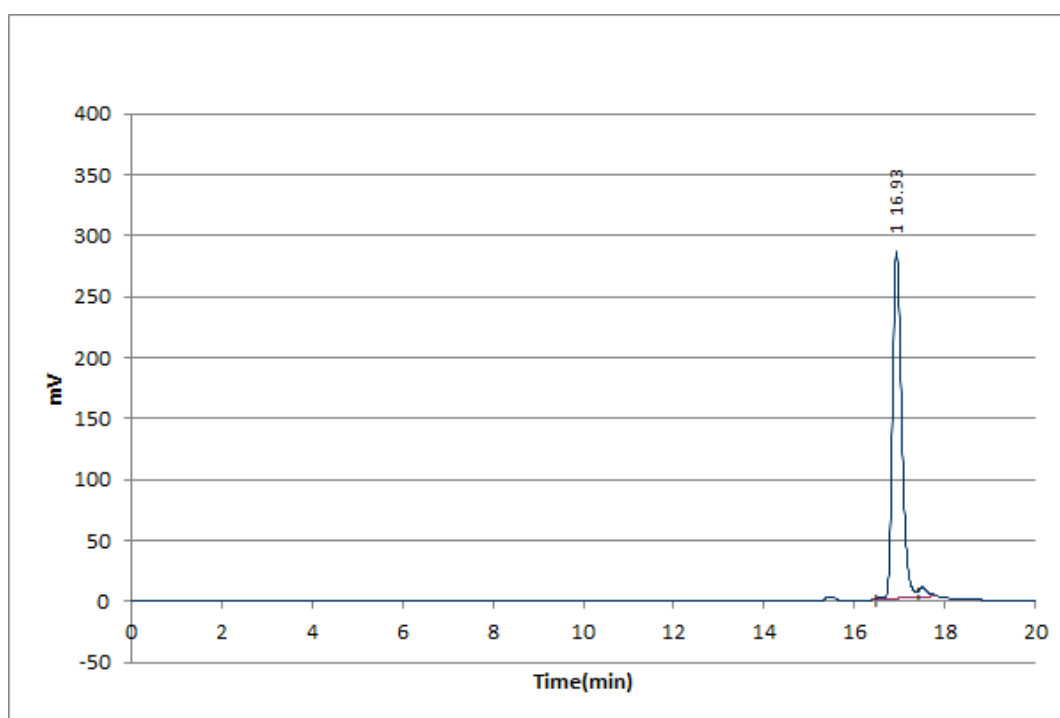


Fig. S10 RP-HPLC chart of **D-4**. Buffer A. 0.1% TFA in water; buffer B, acetonitrile and monitoring at 340 nm with a gradient of 40-100% for 20 min.