

Supplementary information for

Cellulamides: a new Family of Marine-sourced Linear Peptides from the Underexplored *Cellulosimicrobium* *Actinomycetota* Genus

Mariana Girão^{1,2*}, José Murillo-Alba³, Jesús Martín³, Ignacio Pérez-Victoria³, Ralph Urbatzka¹, Pedro N. Leão¹, Maria F. Carvalho¹, Fernando Reyes^{3*}

¹ CIIMAR/CIMAR, Interdisciplinary Centre of Marine and Environmental Research, Terminal de Cruzeiros do Porto de Leixões, University of Porto, 4450-208 Matosinhos, Portugal;

² ICBAS - School of Medicine and Biomedical Sciences, University of Porto, 4050-313 Porto, Portugal;

³ Fundación MEDINA, Centro de Excelencia en Investigación de Medicamentos Innovadores en Andalucía, Parque Tecnológico de Ciencias de la Salud, 18016 Armilla, Granada, Spain.

* Correspondence: mariana.martins@ciimar.up.pt (M.G); fernando.reyes@medinaandalucia.es (F.R.);

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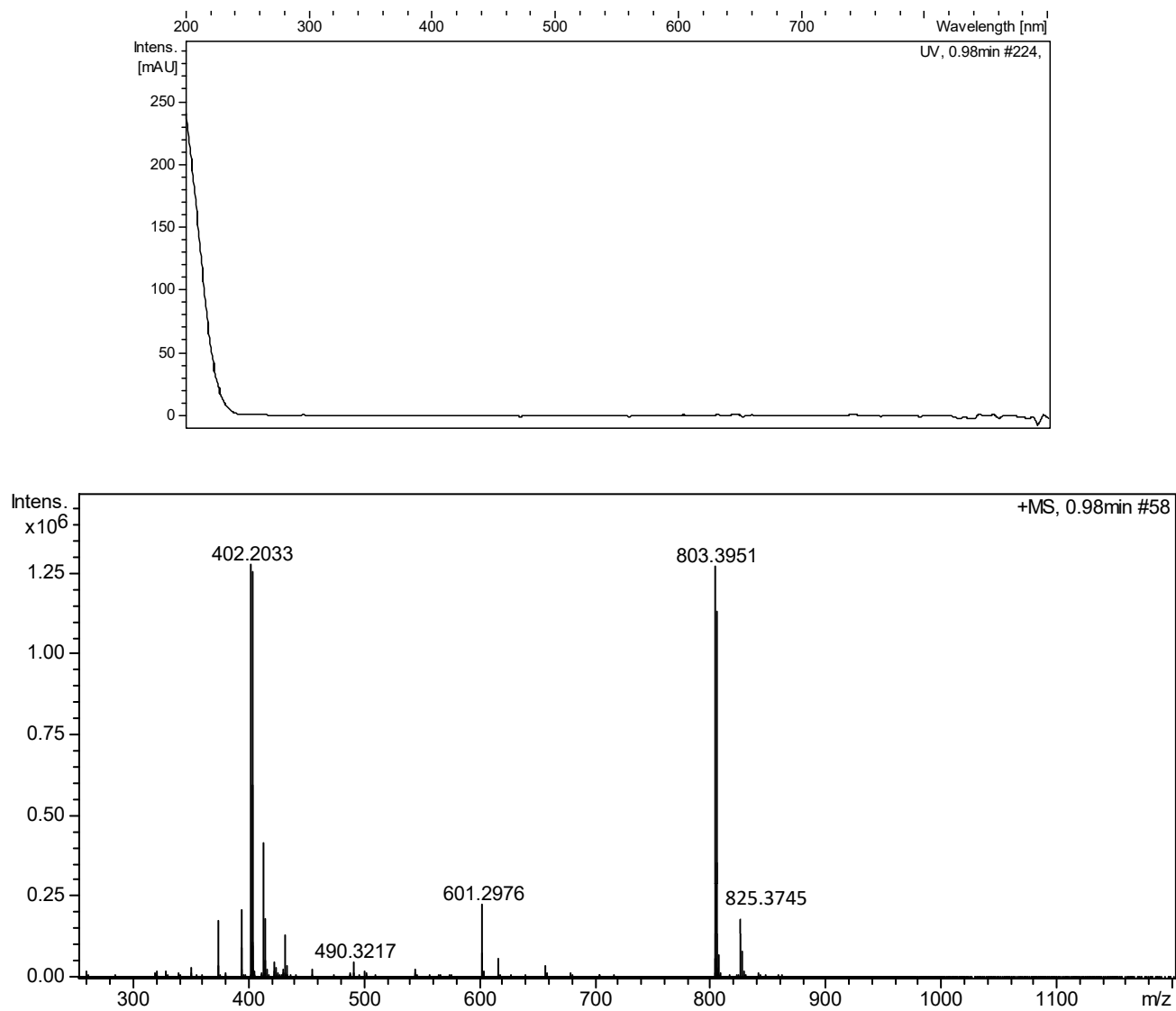


Figure S1. UV and (+)-ESI-TOF spectra of cellulamide A (**1**)

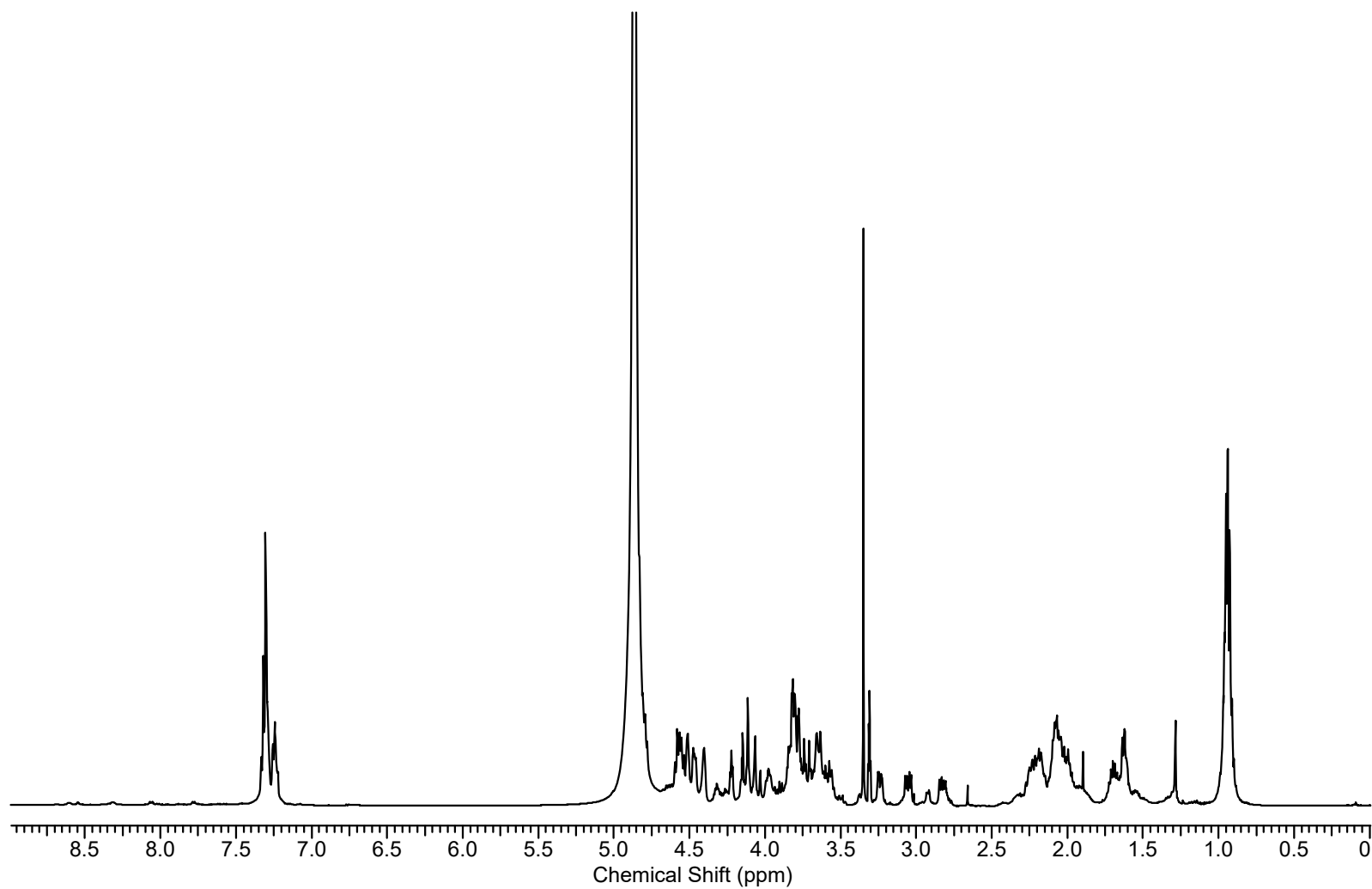


Figure S2. ^1H -NMR (500 MHz, CD_3OD) spectrum of cellulamide A (**1**)

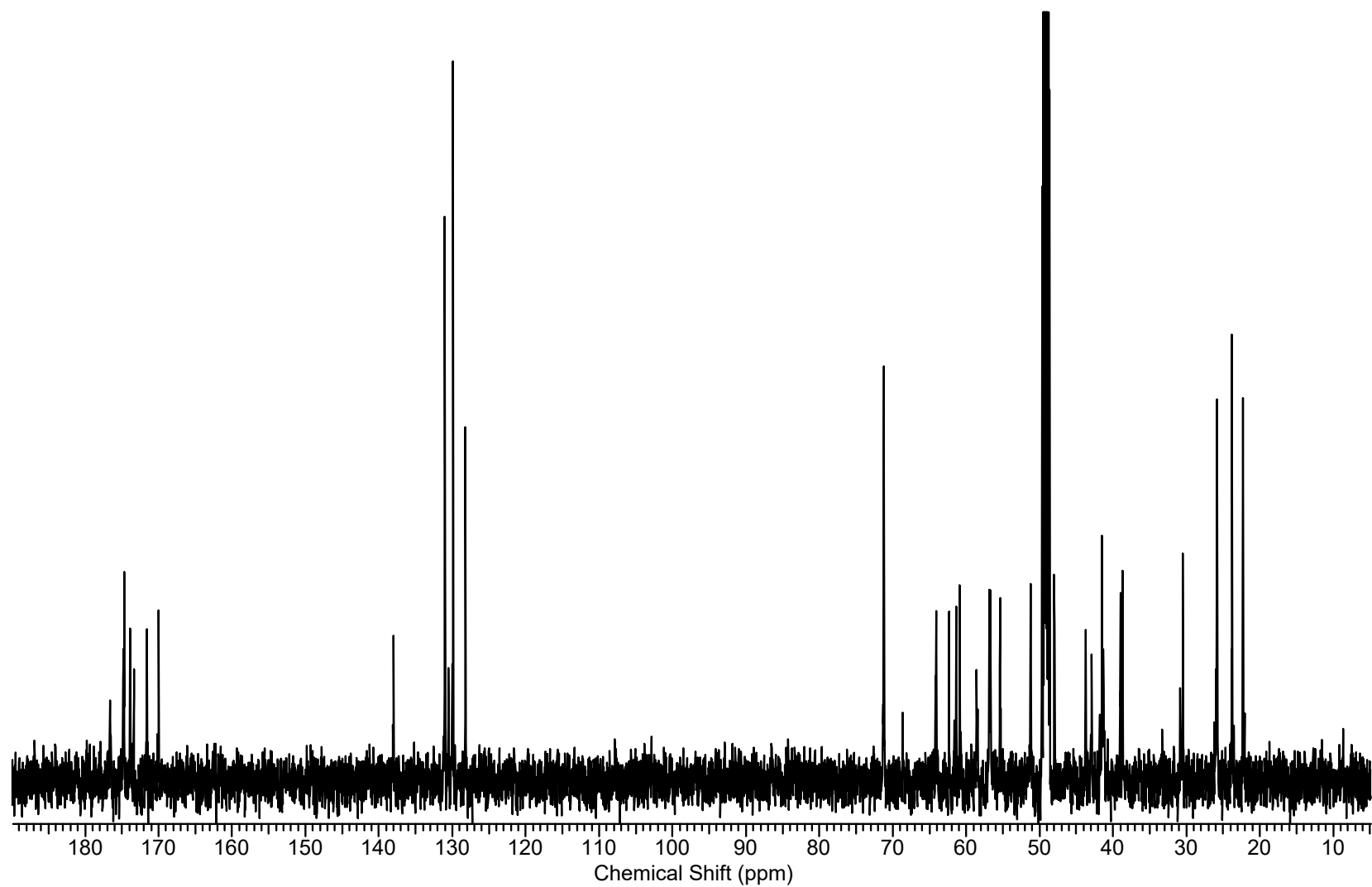


Figure S3. ^{13}C -NMR (125 MHz, CD_3OD) spectrum of cellulamide A (1)

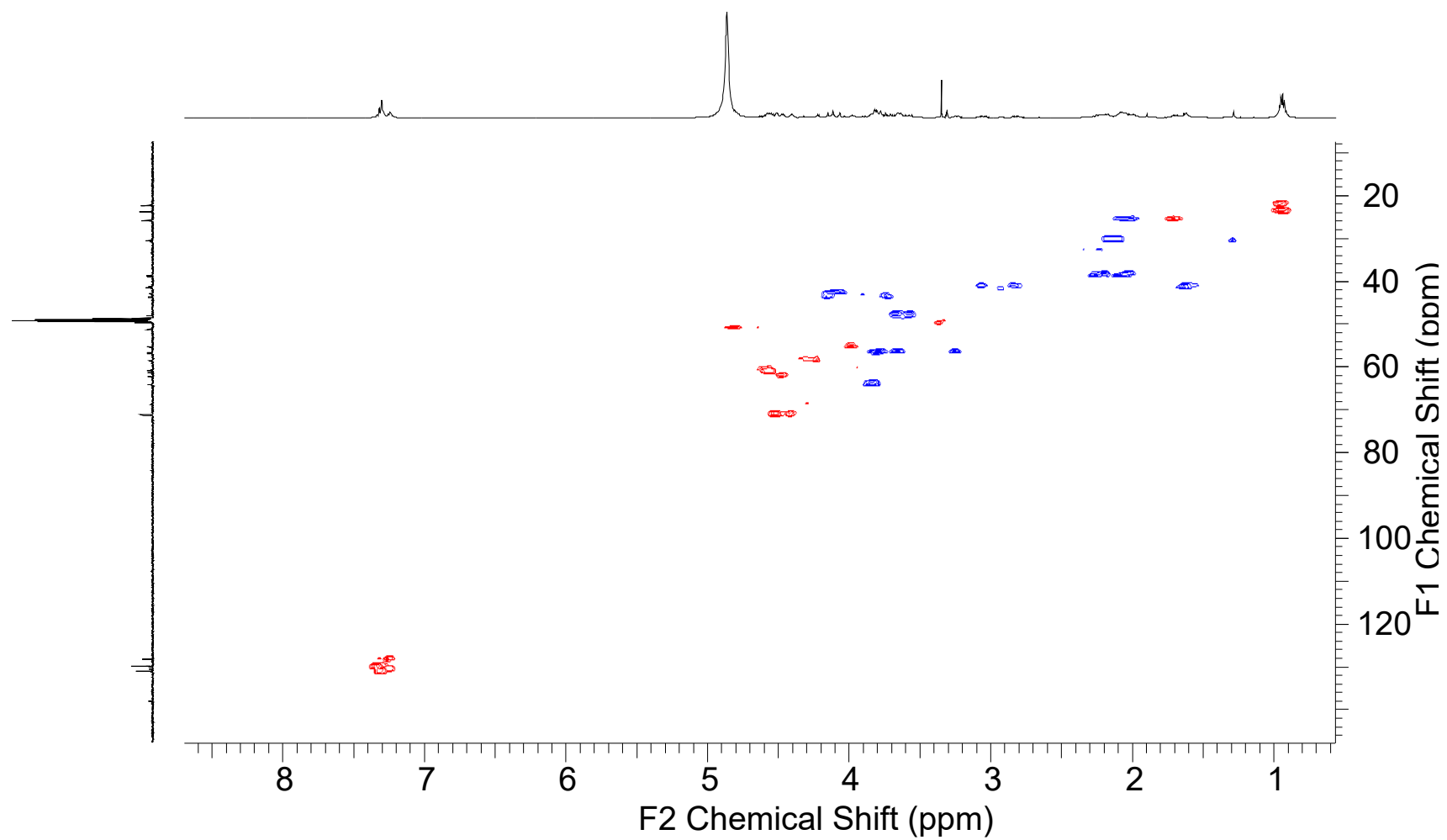
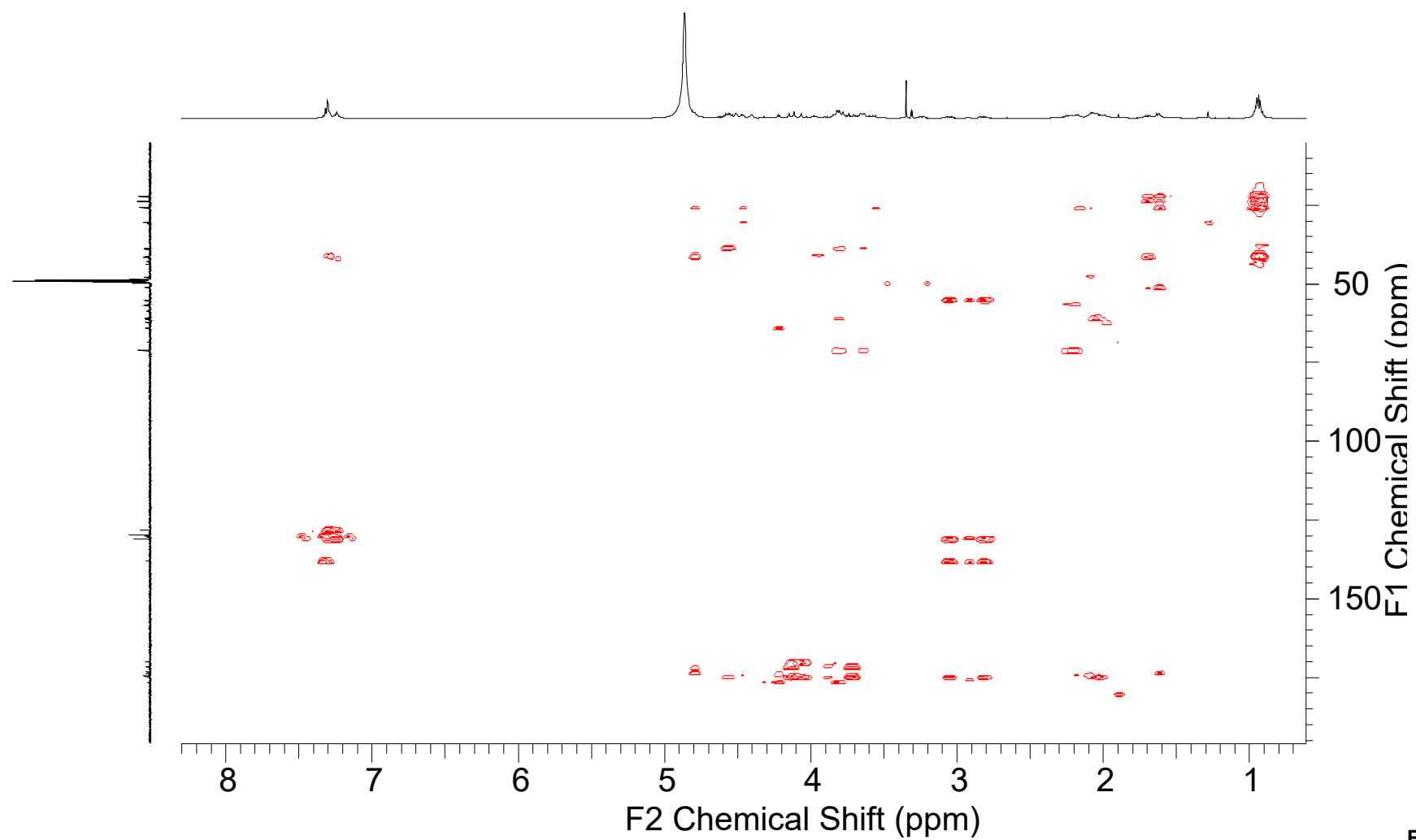


Figure S4. HSQC (CD3OD) spectrum of cellulamide A (1)



Figure

Figure S5. HMBC (CD₃OD) spectrum of cellulamide A (1)

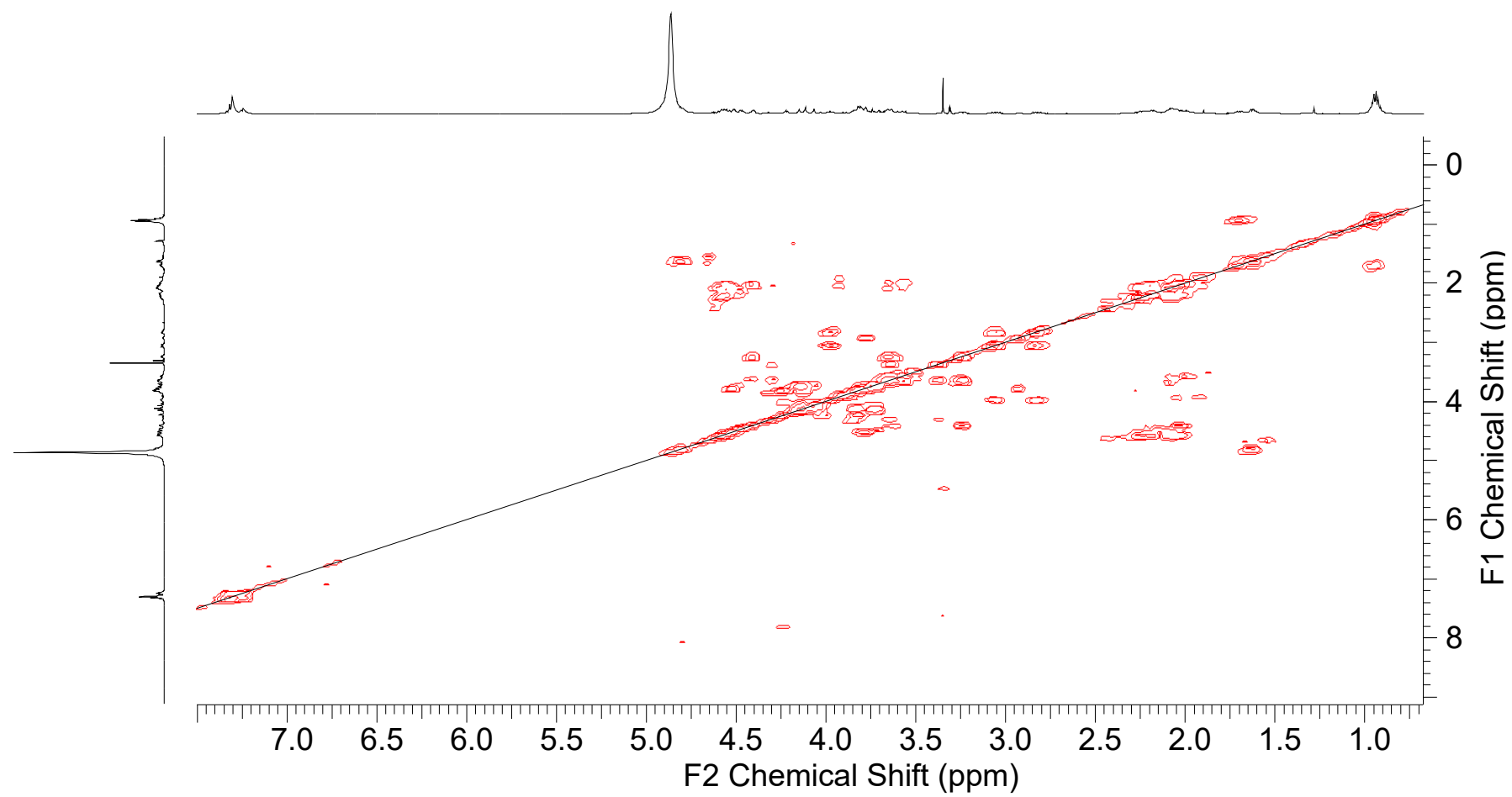


Figure S6. COSY (CD₃OD) spectrum of cellulamide A (1)

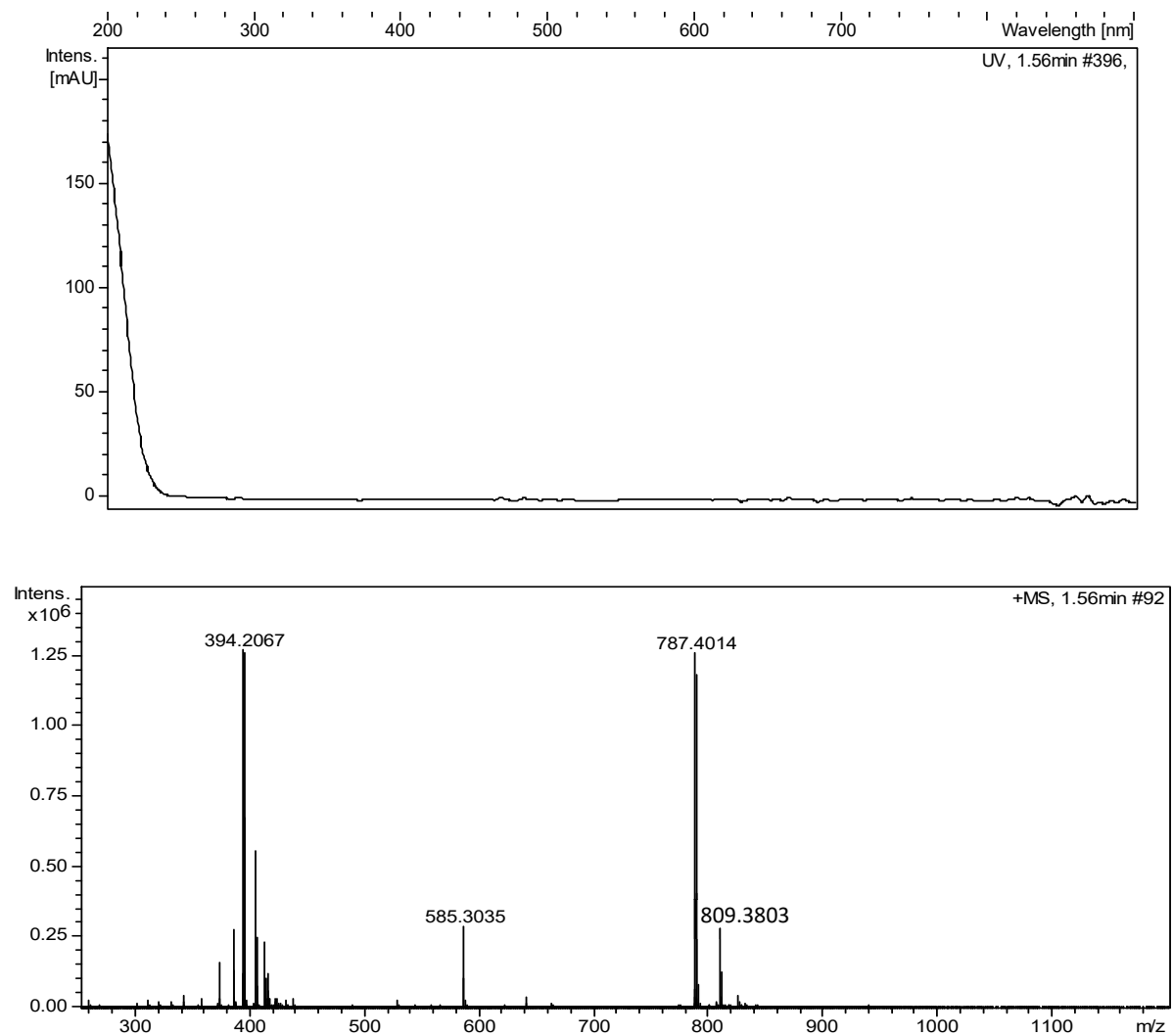


Figure S7. UV and (+)-ESI-TOF spectra of cellulamide B (2)

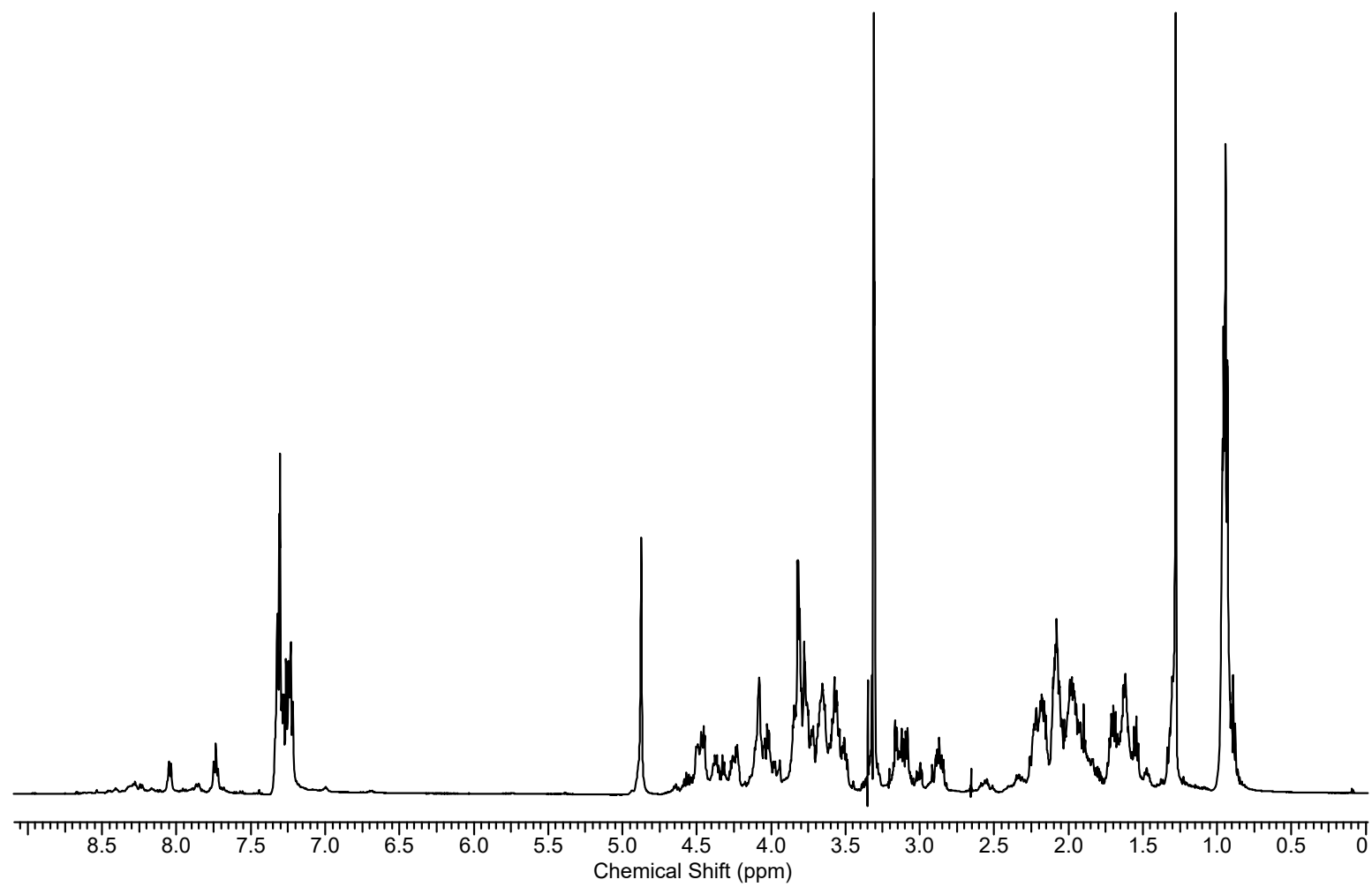


Figure S8. ^1H -NMR (500 MHz, CD_3OH) spectrum of cellulamide B (2)

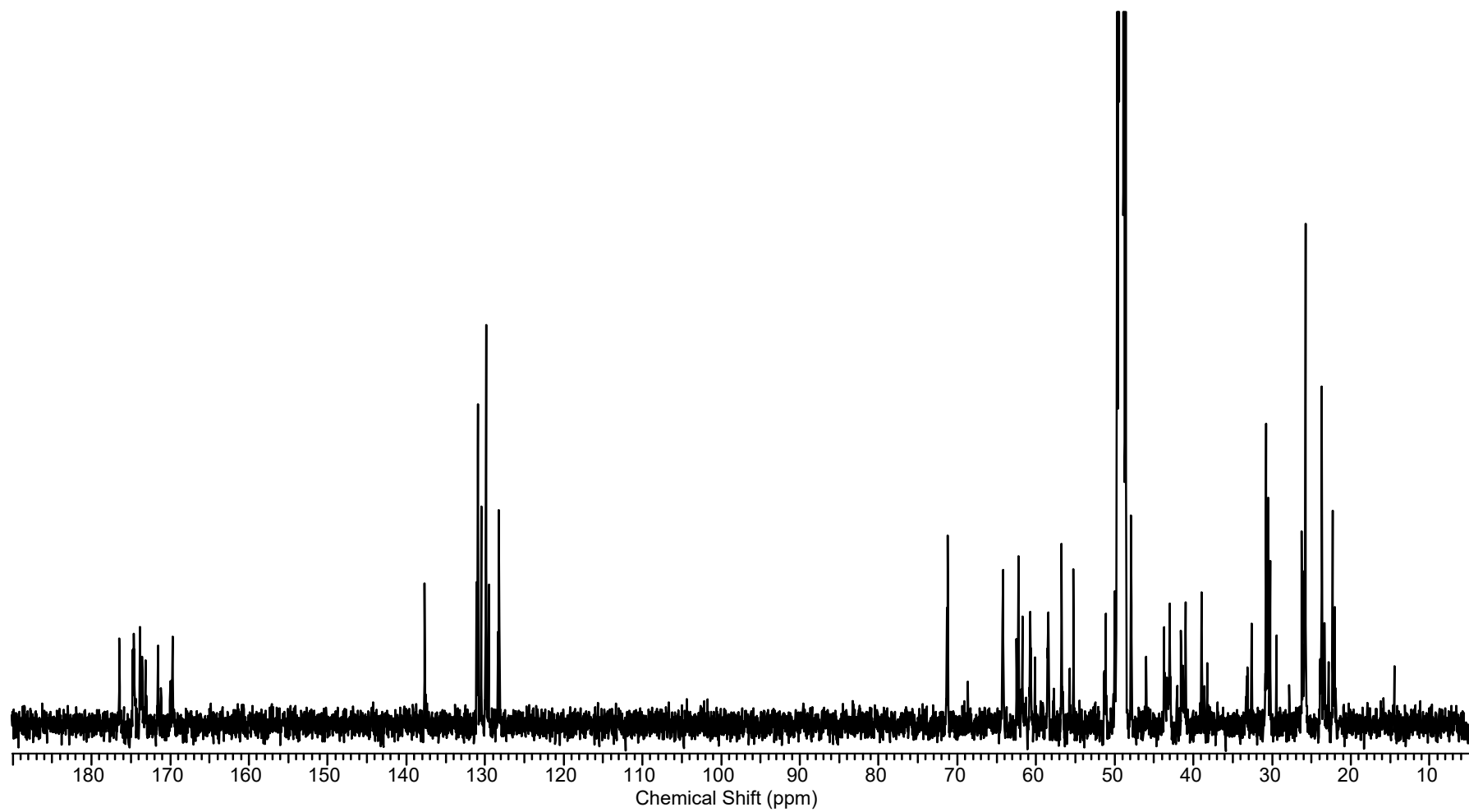


Figure S9. ^{13}C -NMR (125 MHz, CD_3OH) spectrum of cellulamide B (**2**)

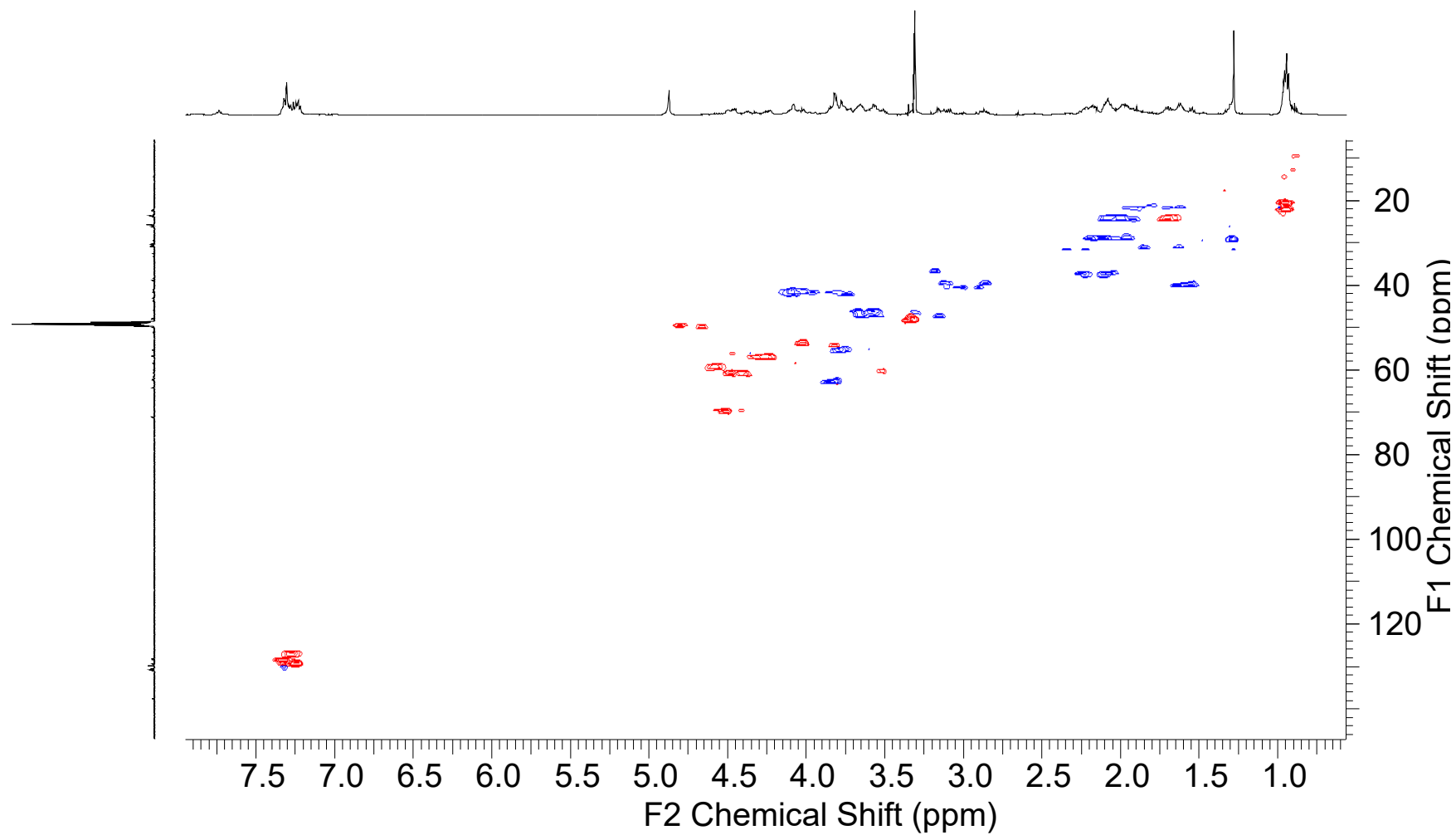


Figure S10. HSQC (CD₃OH) spectrum of cellulamide B (2).

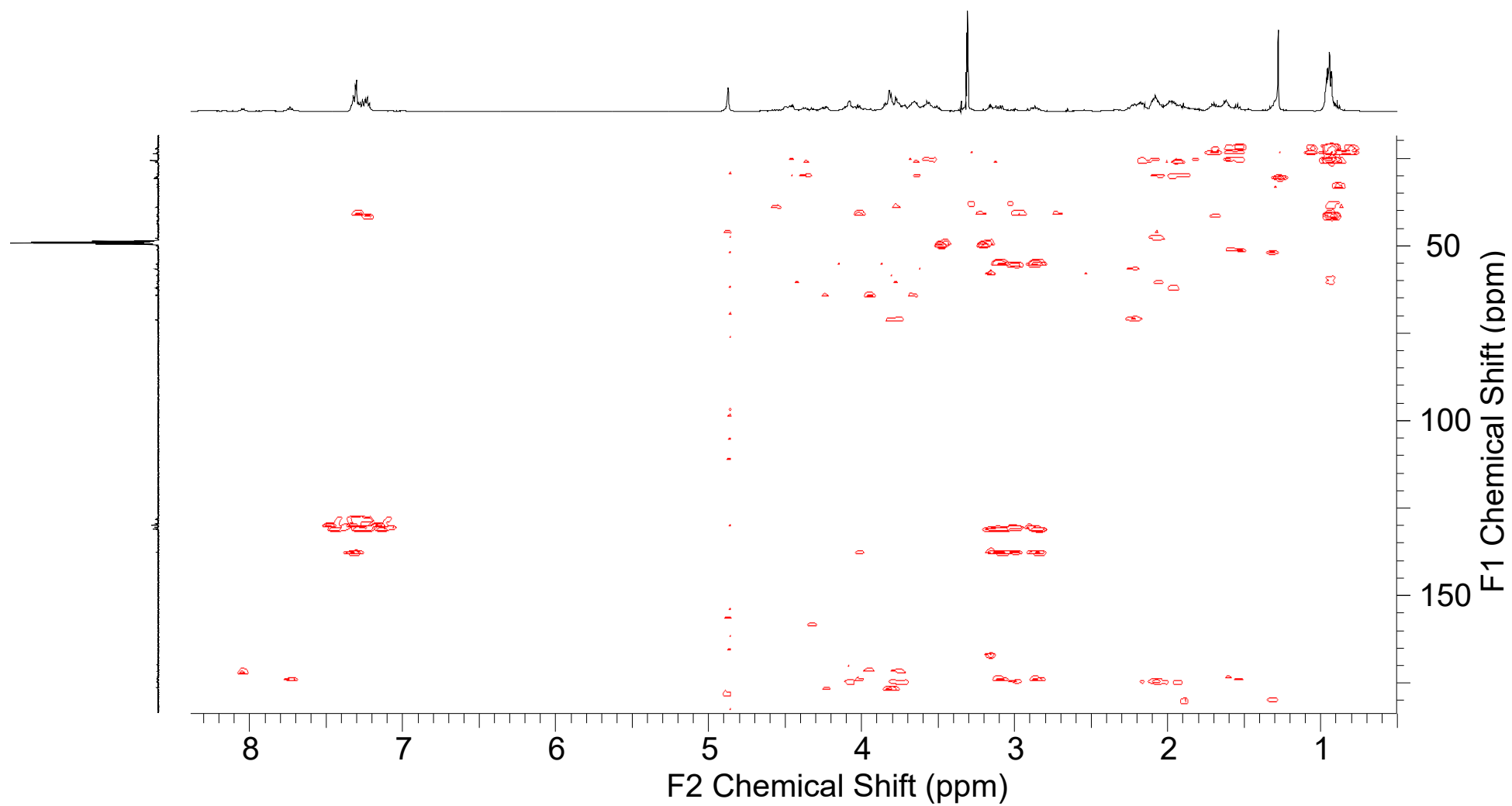


Figure S11. HMBC (CD₃OH) spectrum of cellulamide B (2)

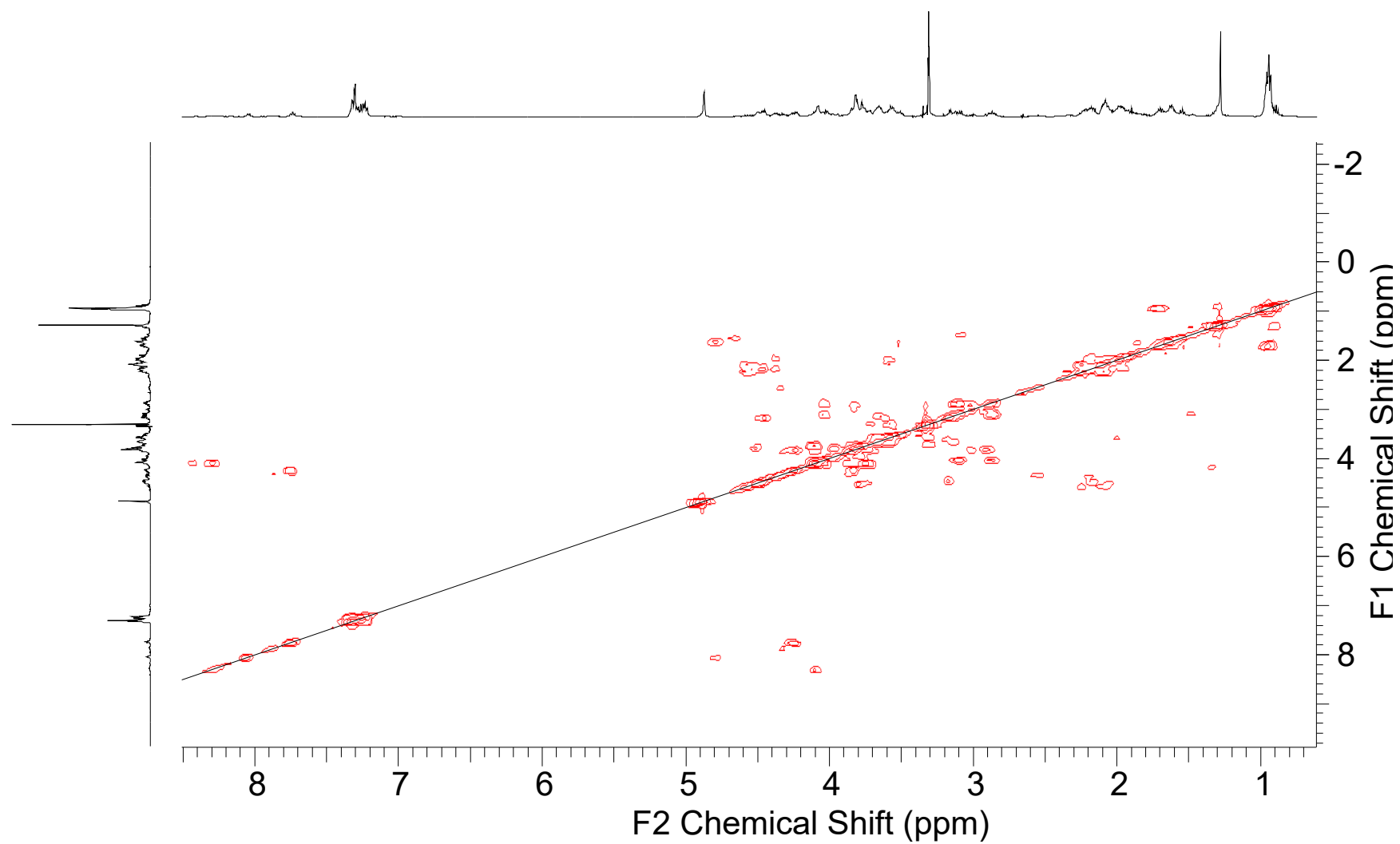


Figure S12. COSY (CD₃OH) spectrum of cellulamide B (2)

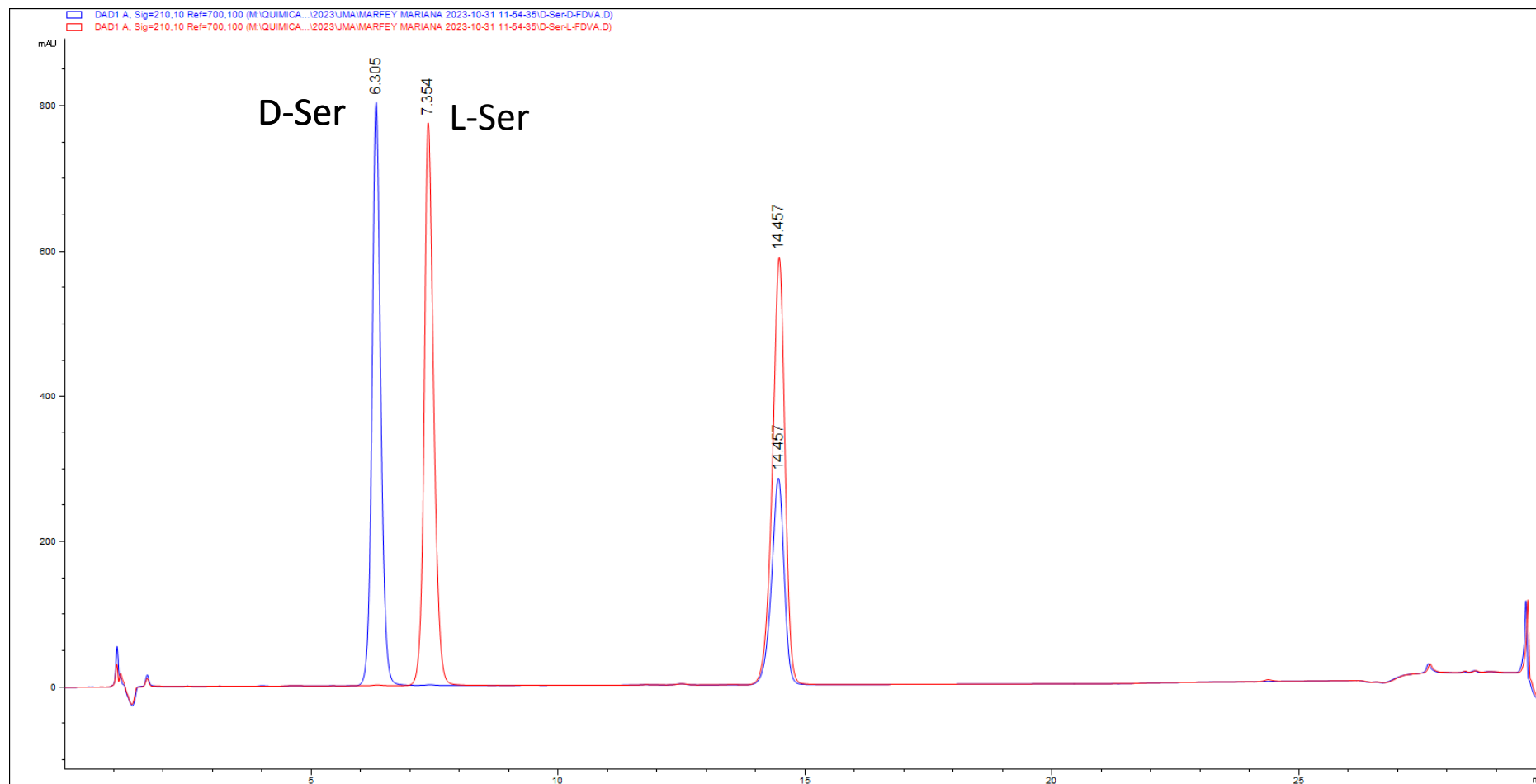


Figure S13. HPLC traces at 210 nm of the D-FDVA derivatives of Ser

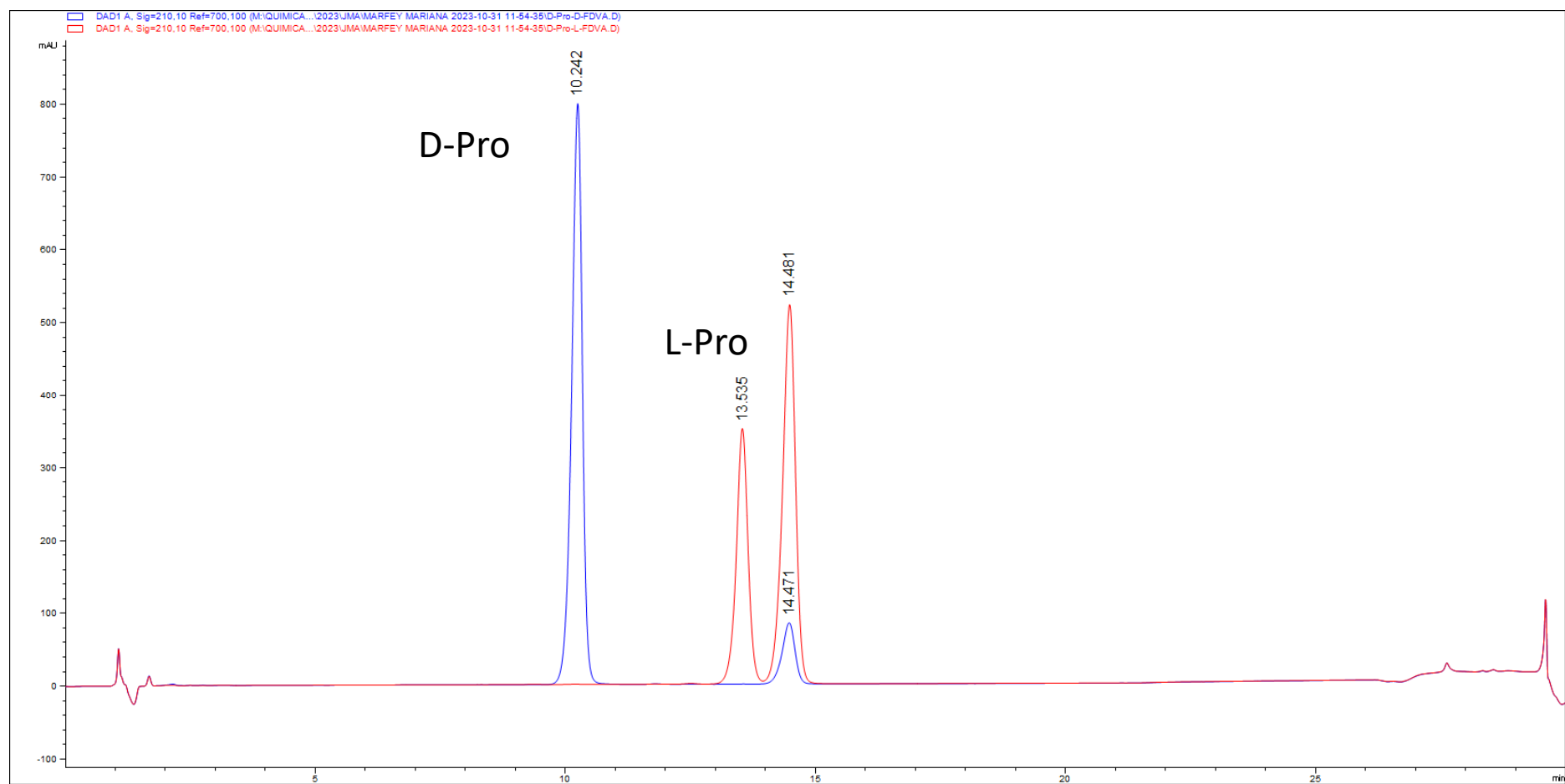


Figure S14. HPLC traces at 210 nm of the D-FDVA derivatives of Pro

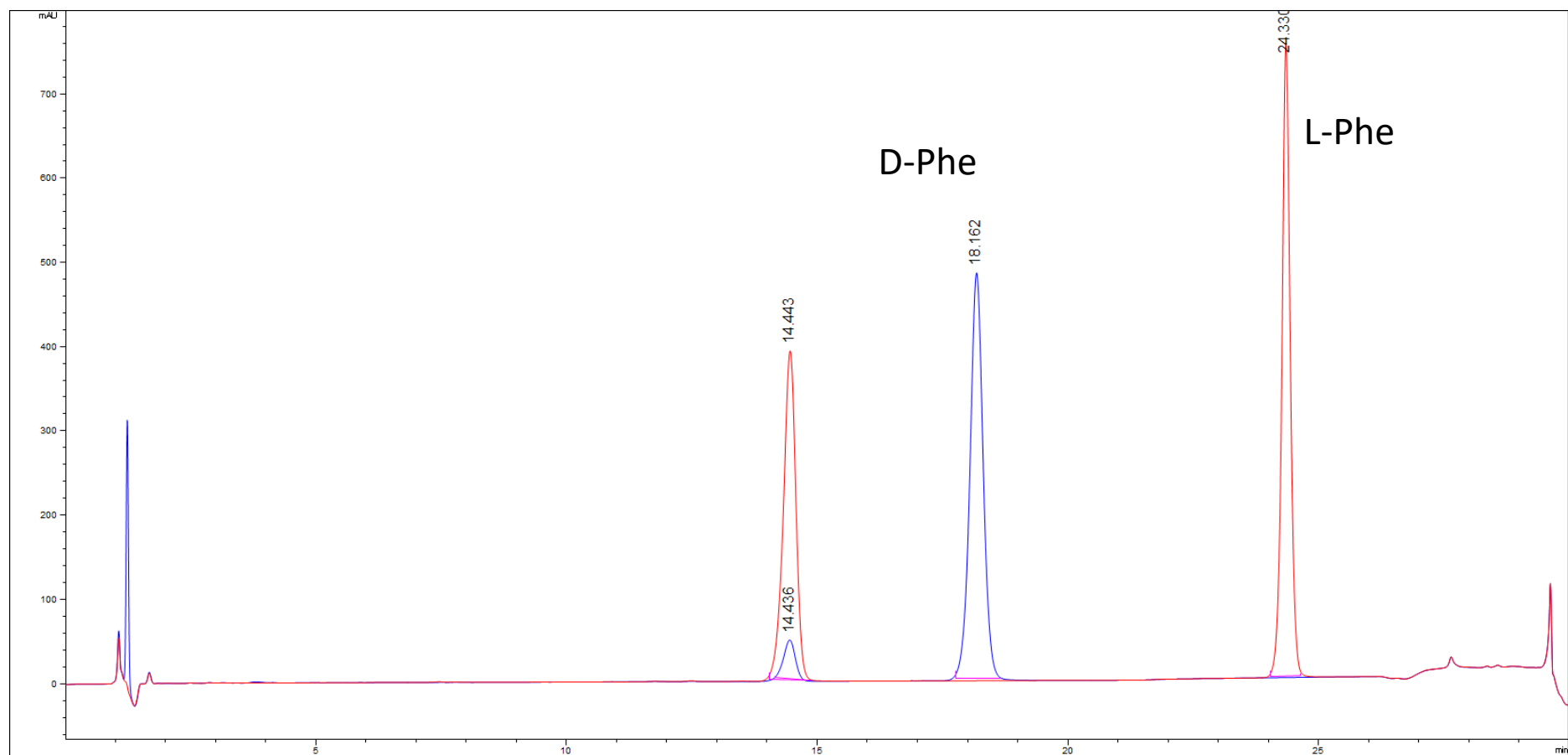


Figure S15. HPLC traces at 210 nm of the D-FDVA derivatives of Phe

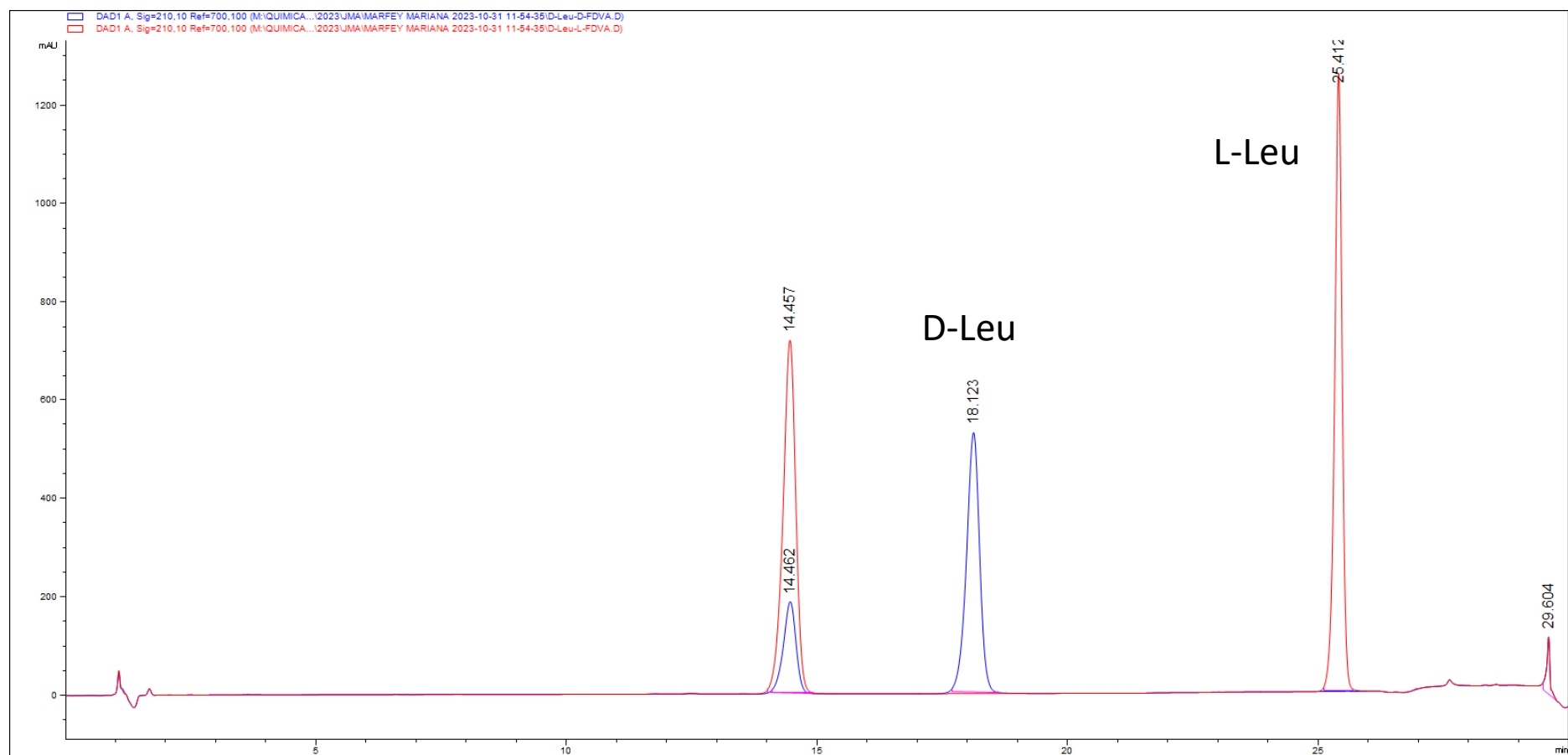


Figure S16. HPLC traces at 210 nm of the D-FDVA derivatives of Leu

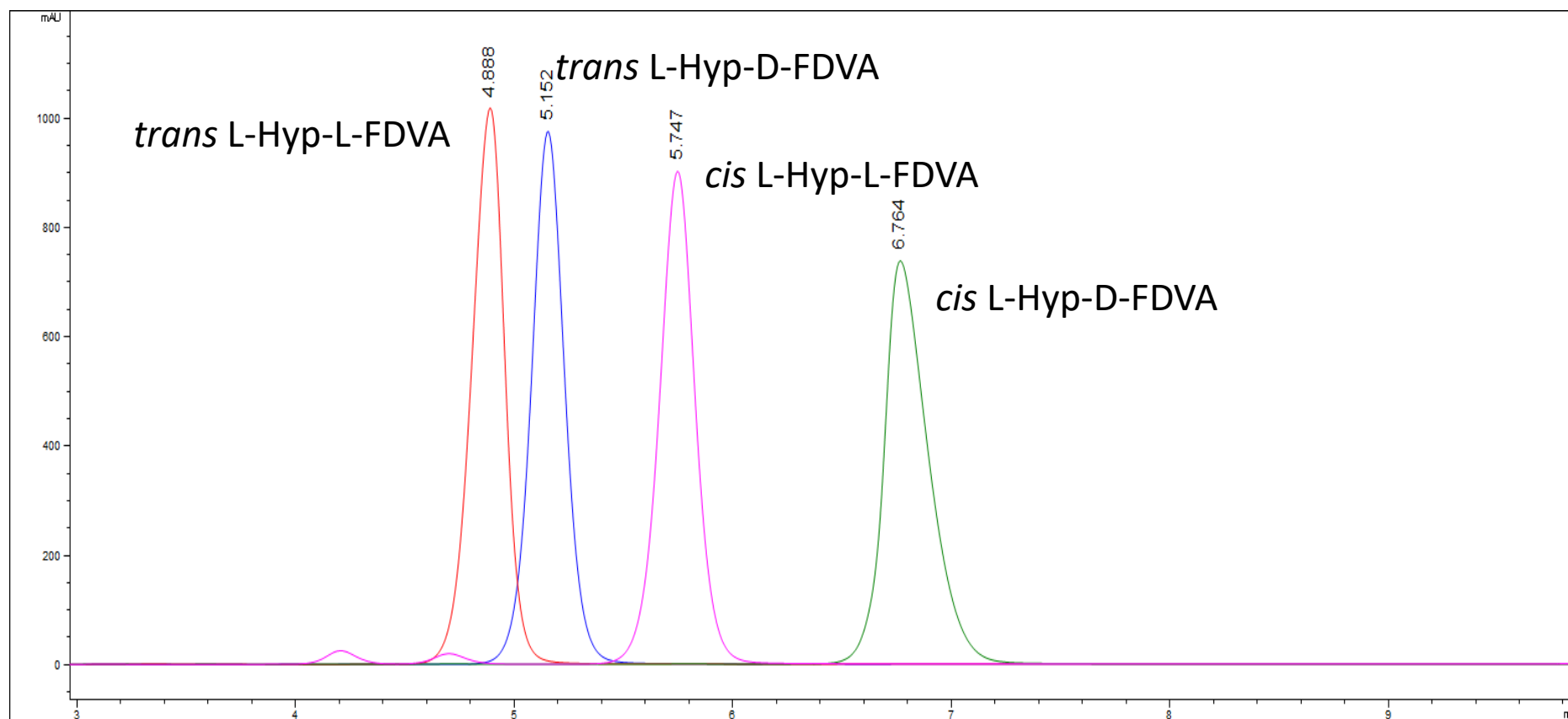


Figure S17. HPLC traces at 210 nm of the D and L-FDVA derivatives of *cis* and *trans* L-Hyp

trans L-Hyp-D-FDVA

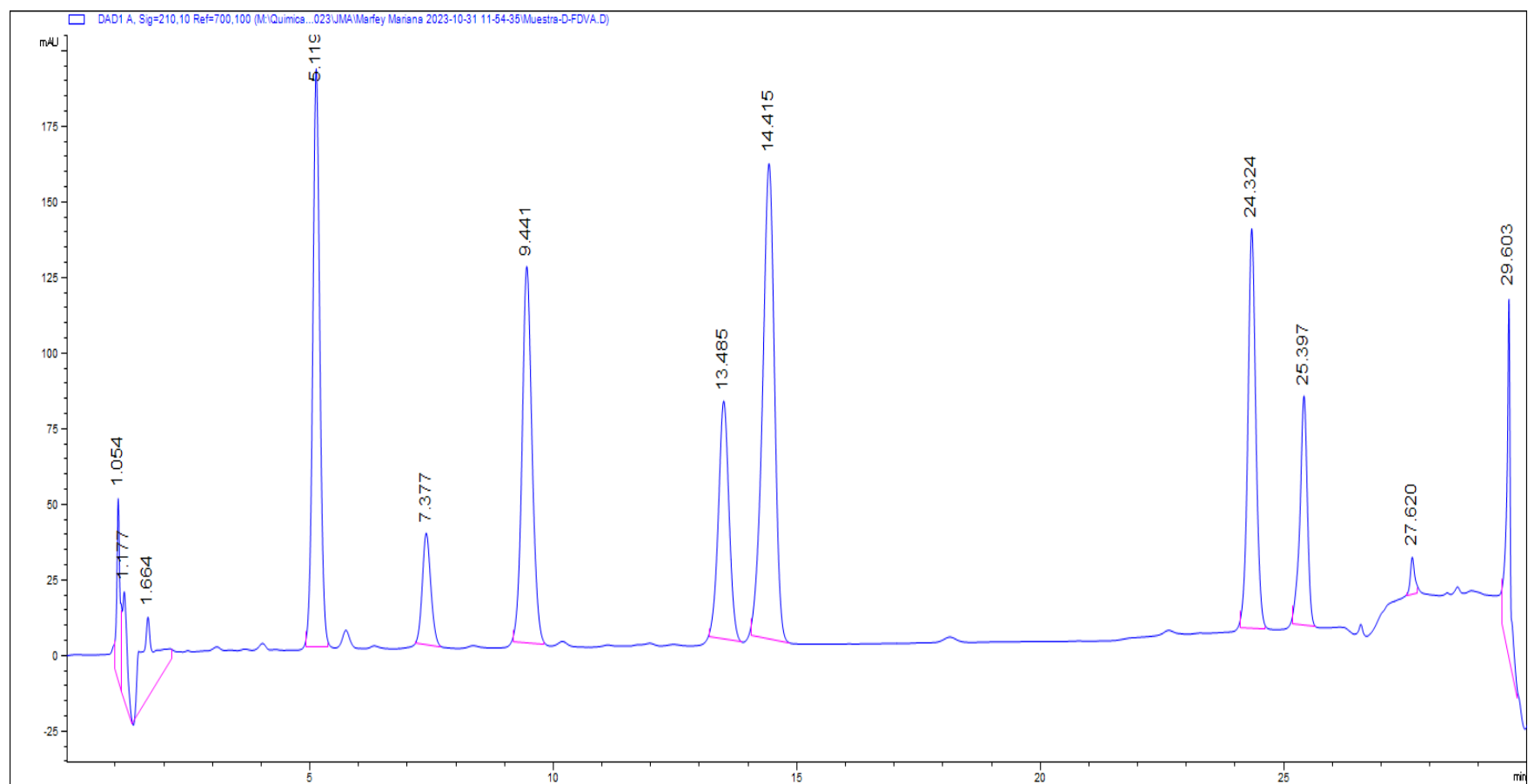


Figure S18. HPLC trace at 210 nm of the D-FDVA derivatives of the hydrolyzate of cellulamide A (1)

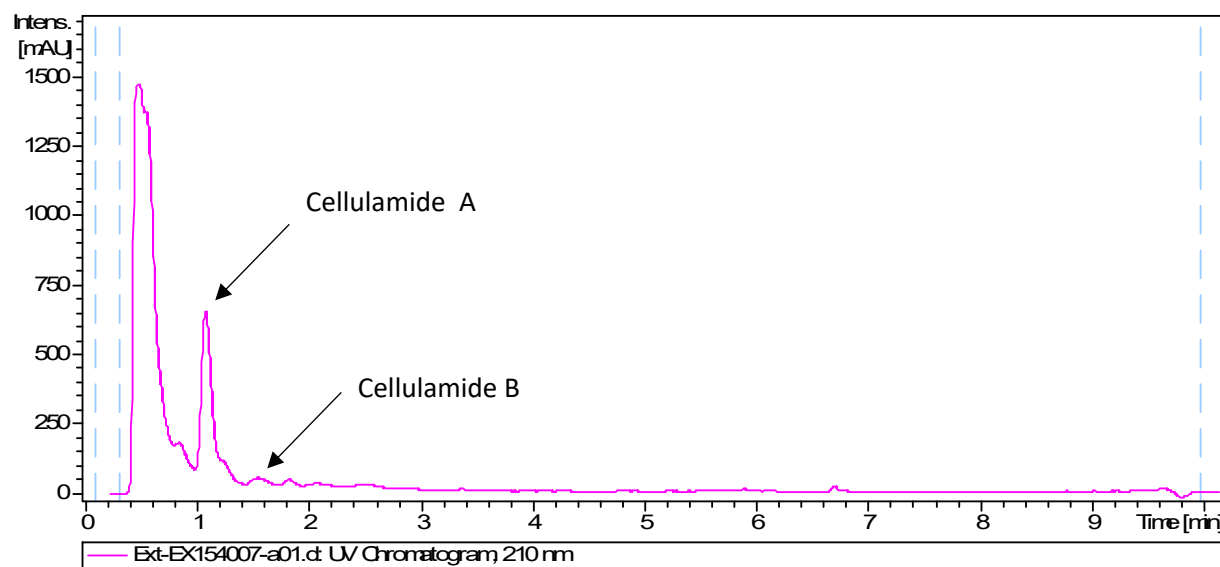


Figure S19. HPLC trace at 210 nm of the D-FDVA derivatives of the hydrolyzate of cellulamide A (1)