

Supporting Information

for

Multivalent display of the antimicrobial peptides BP100 and BP143

Imma Güell^{1,‡}, Rafael Ferre^{1,‡}, Kasper K. Sørensen^{2,‡}, Esther Badosa³, Iteng Ng-Choi¹, Emilio Montesinos³, Eduard Bardají¹, Lidia Feliu¹, Knud J. Jensen^{2,*}, Marta Planas^{1,*}

Address: ¹LIPPSO, Department of Chemistry, University of Girona, Campus Montilivi, 17071 Girona, Spain, ²IGM, Faculty of Life Sciences University of Copenhagen, DK-1871 Frederiksberg, Denmark and ³Laboratory of Plant Pathology, Institute of Food and Agricultural Technology-CIDSAV-CeRTA, University of Girona, Campus Montilivi, 17071 Girona, Spain

Email: Knud J. Jensen - kjj@life.ku.dk; Marta Planas - marta.planas@udg.edu

*Corresponding author

‡Equally contributing authors

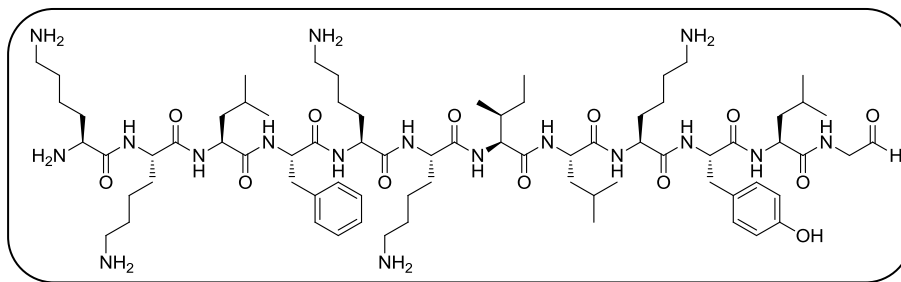
HPLC, ESIMS of peptide aldehydes **4** and **5**.

HPLC, ESIMS, and HRMS of carbopeptides **1–3**

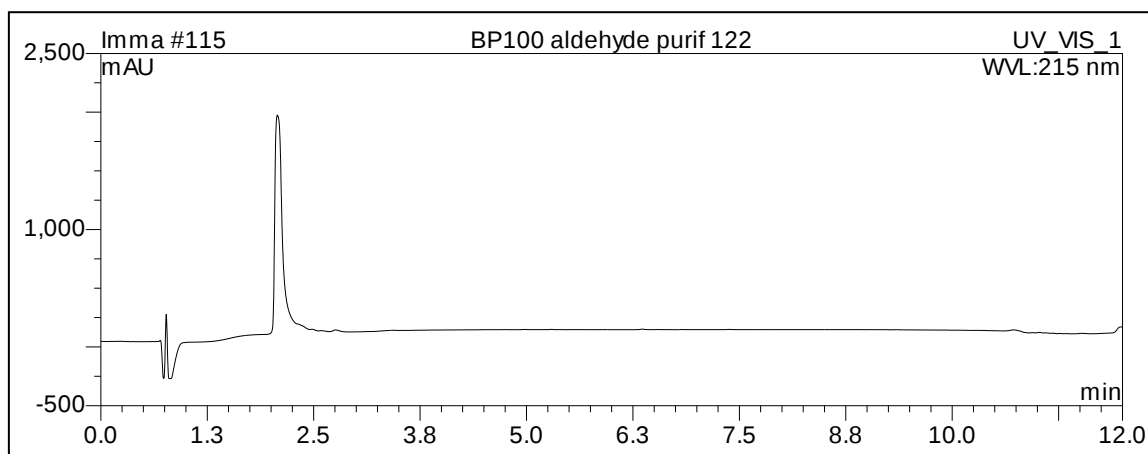
Table of contents

Peptide aldehyde KKLFFKKILKYL-G-H (4)	S2
Peptide aldehyde KKLfKKILKYL-G-H (5)	S3
(KKLFFKKILKYL-C ₂ H ₄ N) ₂ -cDTE (1)	S4
(KKLfKKILKYL-C ₂ H ₄ N) ₂ -cDTE (2)	S6
(KKLFFKKILKYL-C ₂ H ₄ N) ₄ -Galp (3)	S8

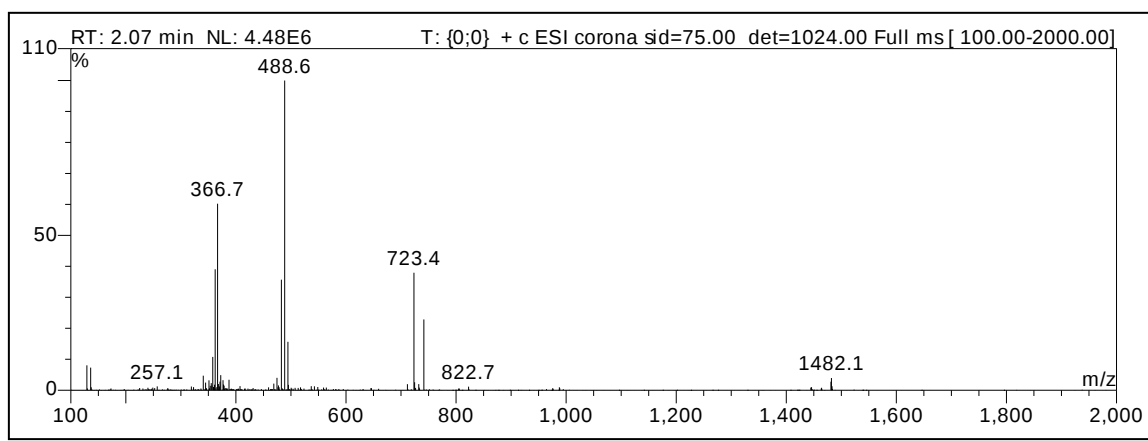
Peptide aldehyde KKLFFKILKYLG-H (4)



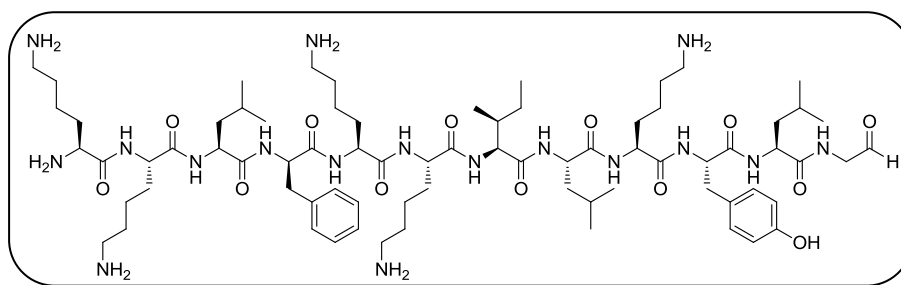
HPLC ($\lambda = 220$ nm)



ESIMS (m/z)

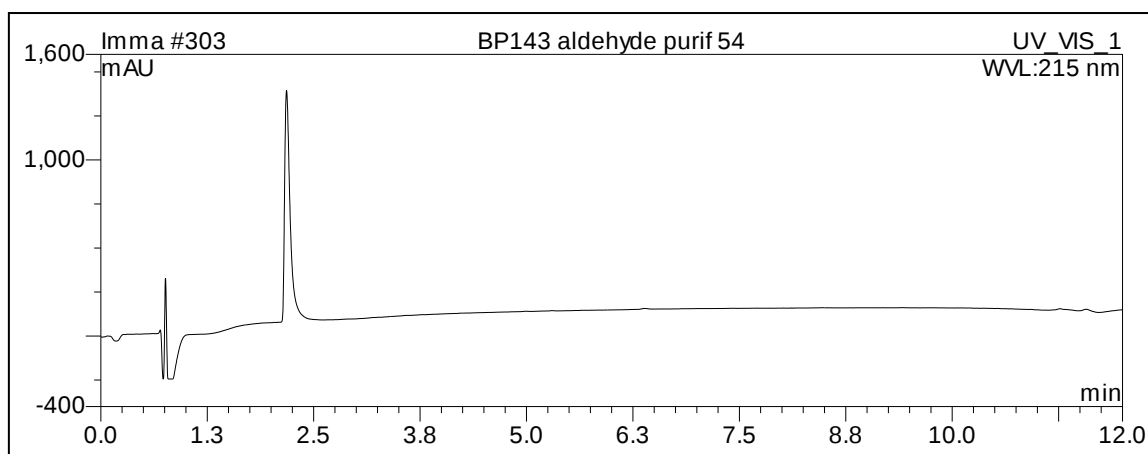


Peptide aldehyde KKLfKKILKYLG-H (5)

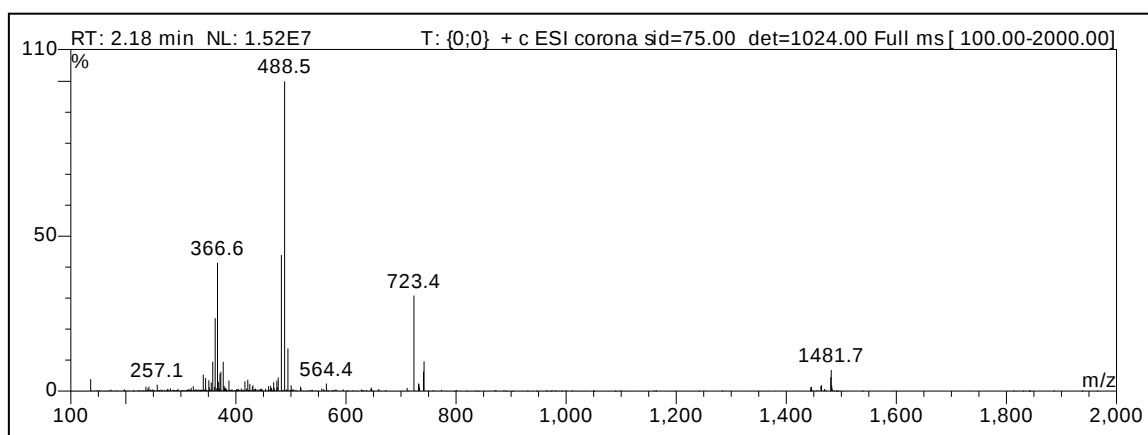


Exact Mass: 1461,98

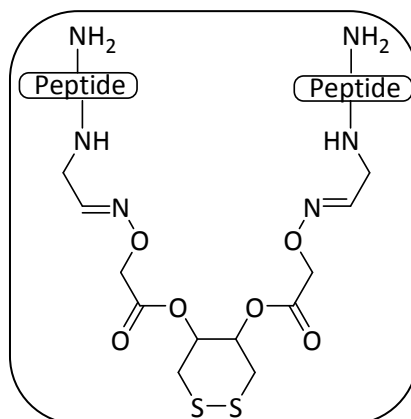
HPLC ($\lambda = 220$ nm)



ESIMS (m/z)

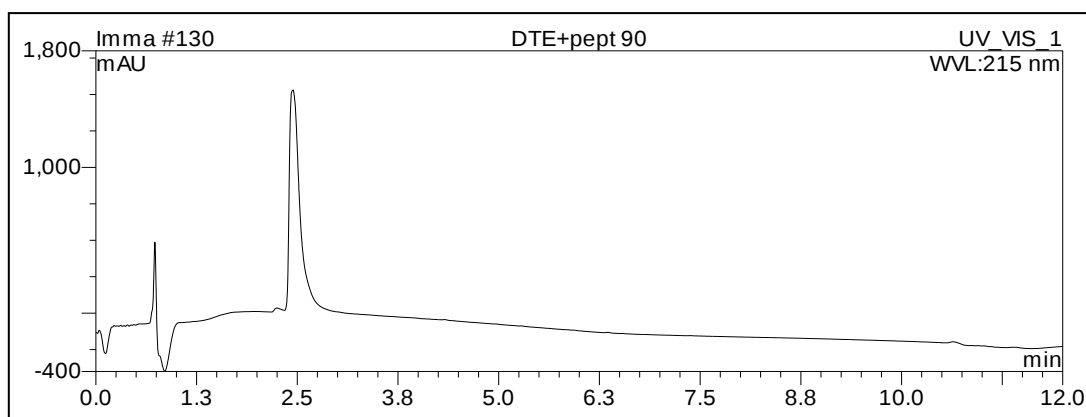


(KKLFKKILKYL-C₂H₄N)₂-cDTE (1)

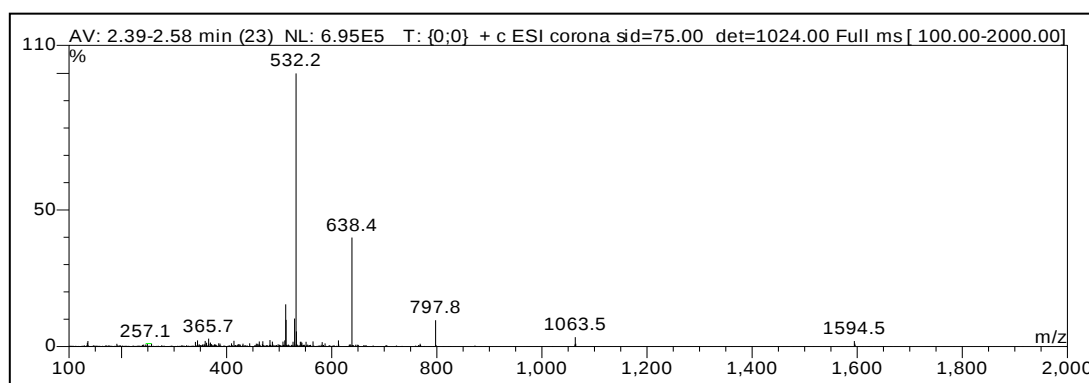


Peptide = KKLFFKKILKYL

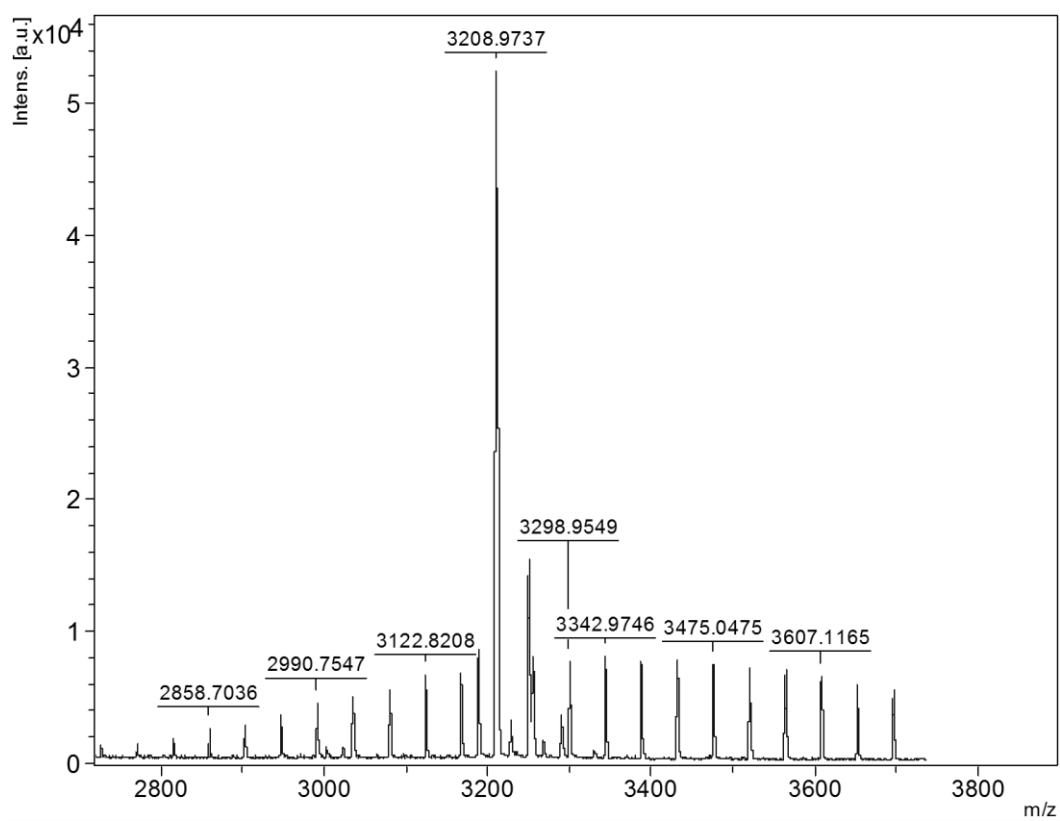
HPLC ($\lambda = 220$ nm)



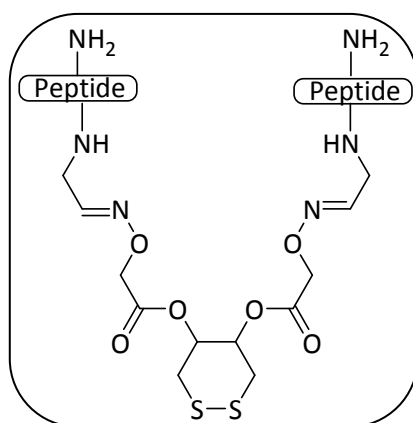
ESIMS (m/z)



HRMS-MALDI (m/z)

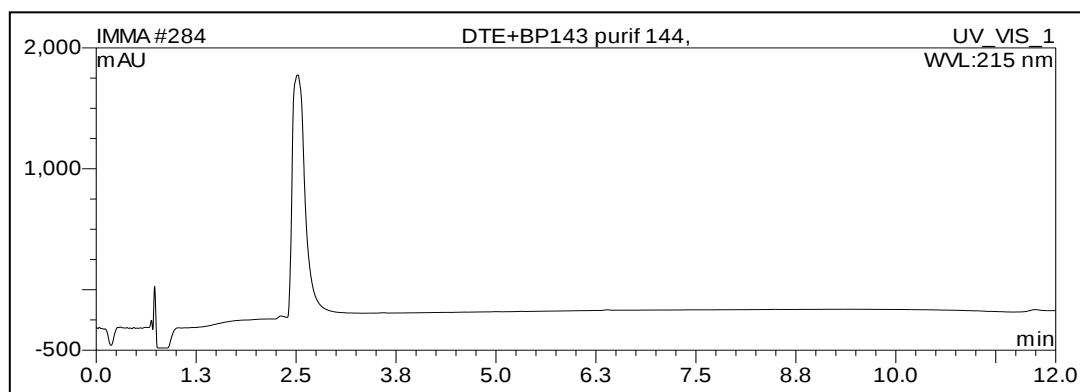


(KKLfKKILKYL-C₂H₄N)₂-cDTE (2)

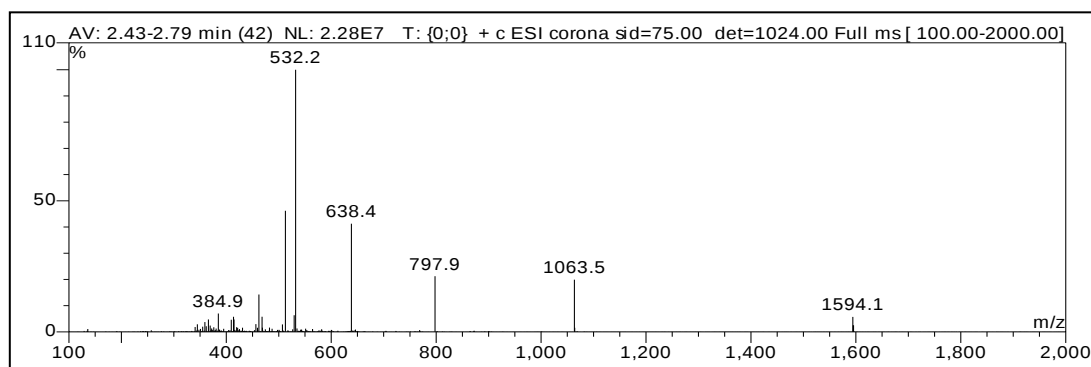


Peptide = KKLfKKILKYL

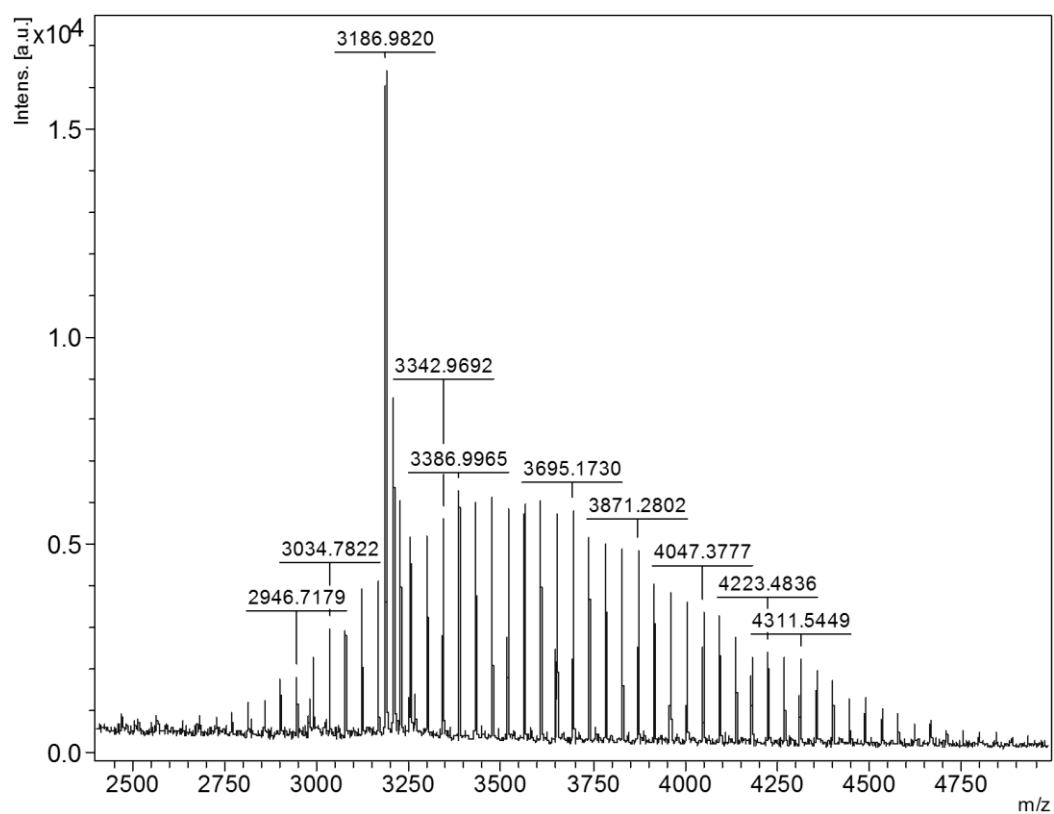
HPLC ($\lambda = 220$ nm)



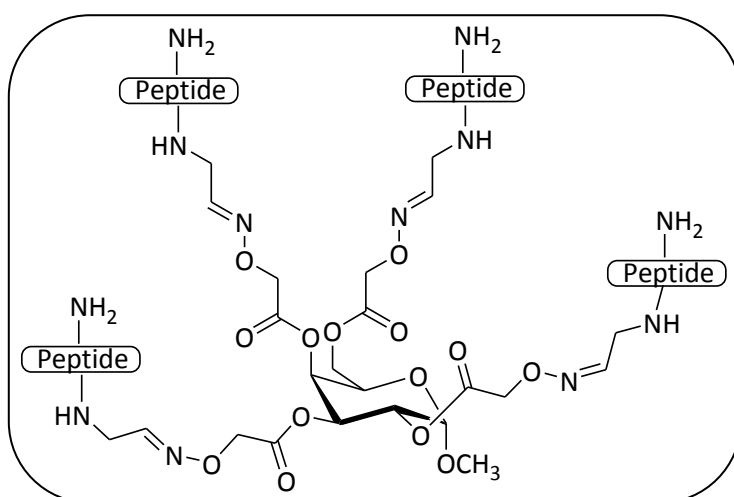
ESIMS (m/z)



HRMS-MALDI (m/z)

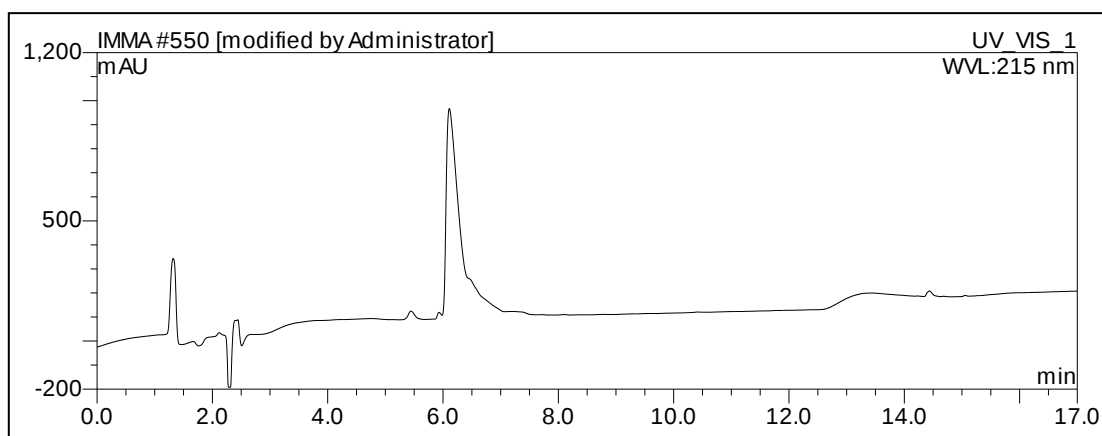


(KKLFKKILKYL-C₂H₄N)₄-Galp (3)



Peptide = KKLFKKILKYL

HPLC ($\lambda = 220$ nm)



ESIMS (m/z)

