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Peptide Synthesis Report

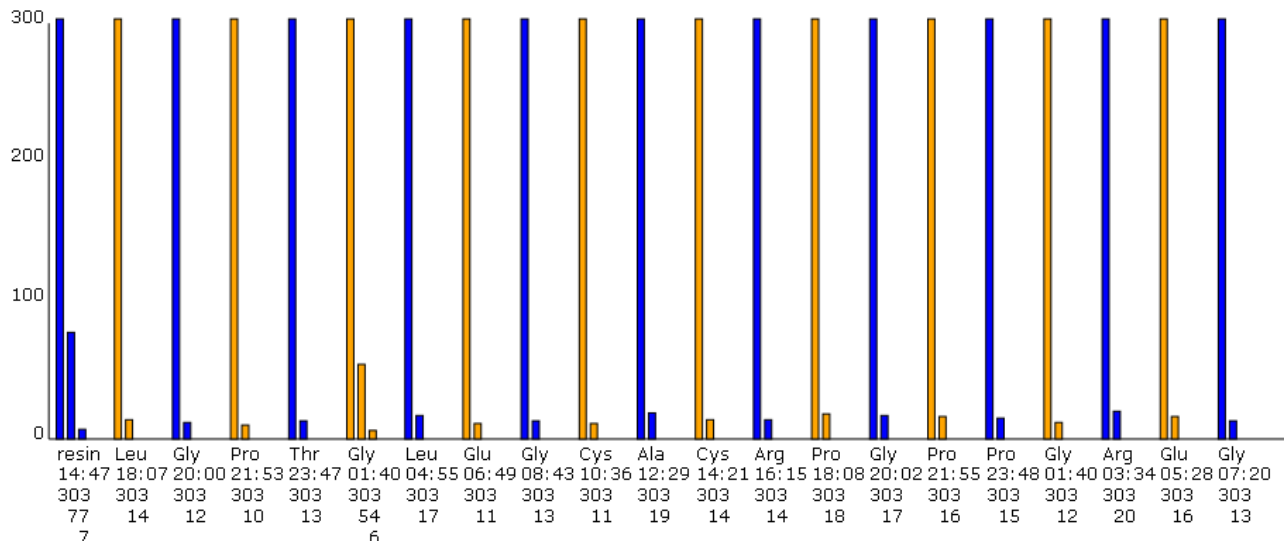
From Dr Paul Proost et al. Institute Rega, Leuven, Belgium

The sequence GERGPPGPRCBCGELGTPGL-NH₂, with B = biphenylalanine has been synthesized on the Activo-P11 at a 0.1 mmol scale using a Rink amide resin at 0.8 mmol/g.

Synthesis conditions

Deprotection was performed with a 20% piperidine solution in DMF.
UV monitoring was used and gave the following results:

Rega20meer03_20120109_1_uv.xhtml 14 Jan 2013



Coupling was performed with 10 eq. of AA/HBTU/HOBt and 20 eq. DIEA for 20 minutes and time was elongated if there were more than 3 deprotection treatments. Coupling step was repeated once in the same conditions. Capping was performed at each cycle.

Washes were performed with DMF.

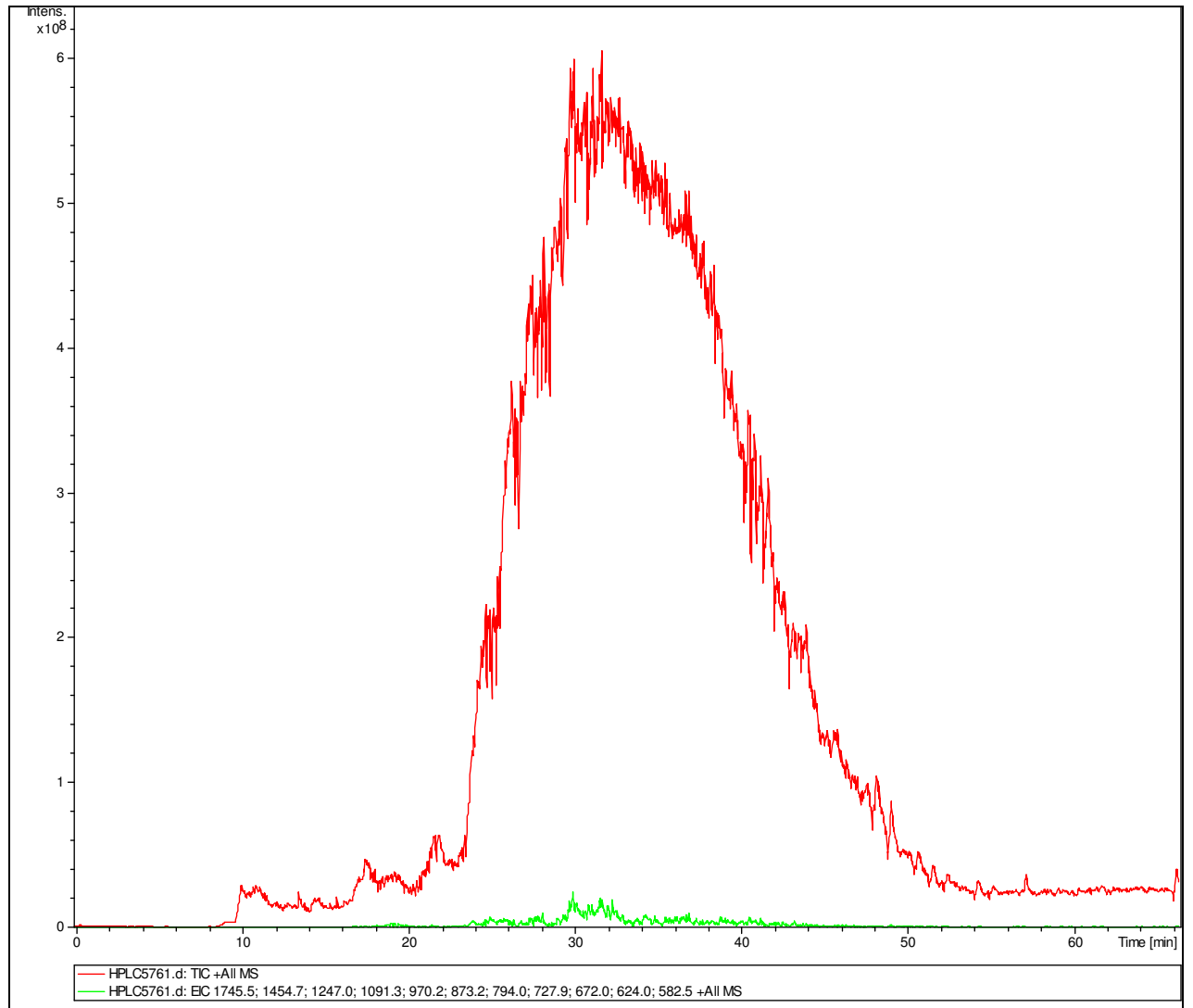
Resin was washed with DCM, prior to cleavage.



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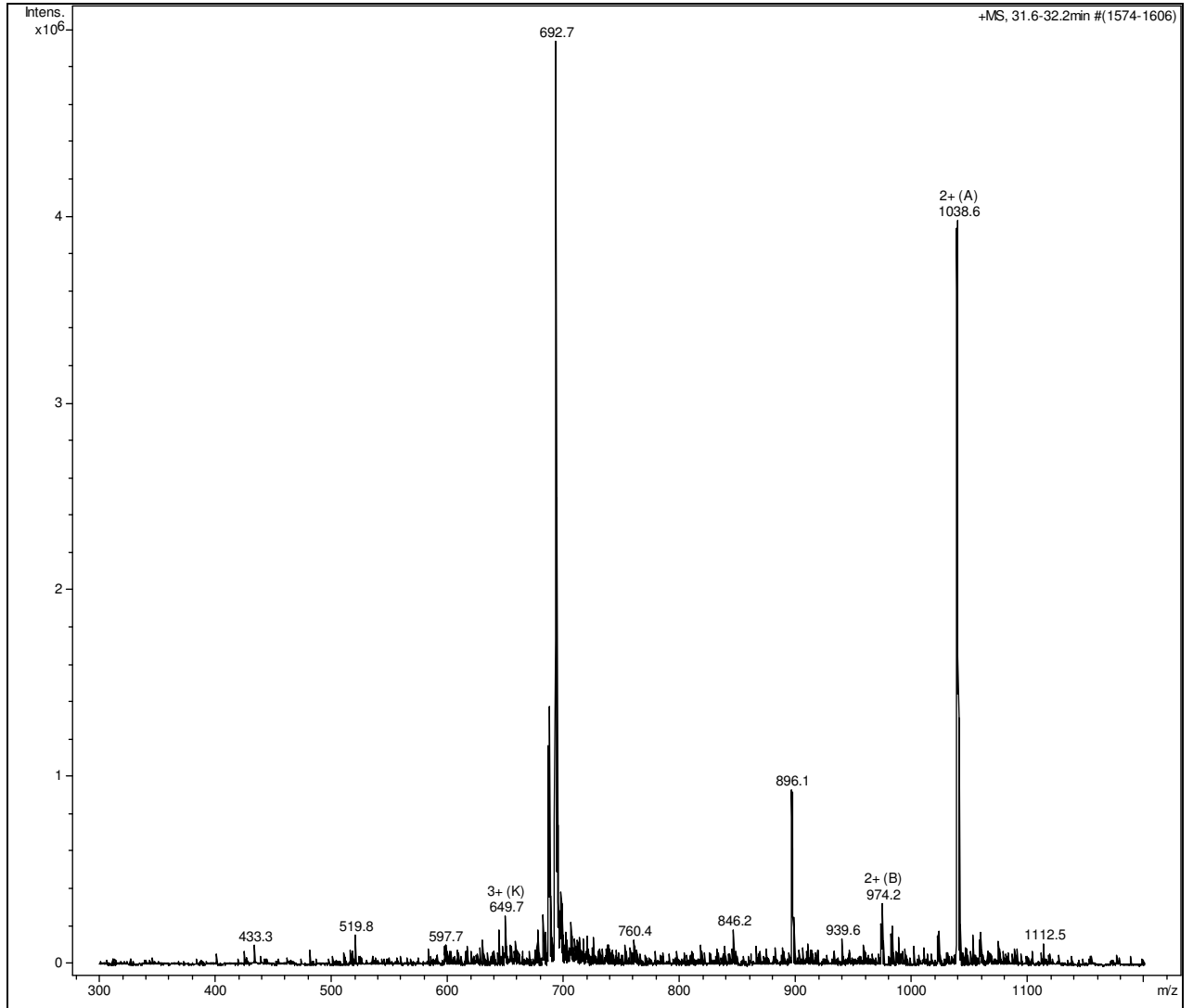
Analysis of crude peptide





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