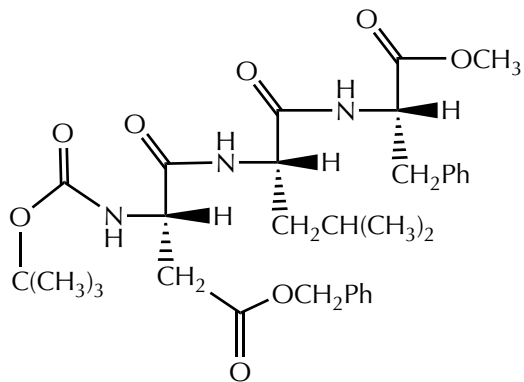
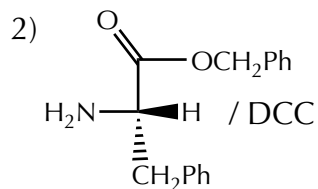


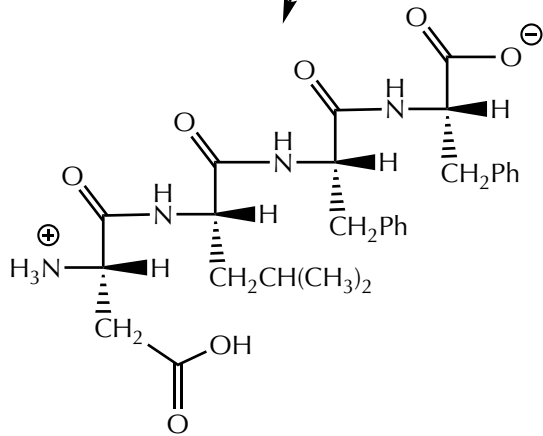
Using the starting material in Q17.19(d), couple the amino acid of your choice to the C-terminal end and prepare a tetrapeptide. Prepare another tetrapeptide from the same starting material, but this time coupling the amino acid of your choice to the N-terminal end.



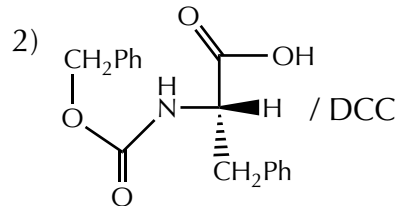
1) anh. HBr



3)  $H_2/Pd-C$   
4)  $CF_3CO_2H$



1)  $CF_3CO_2H$



3)  $H_2/Pd-C$   
4) anh HBr

