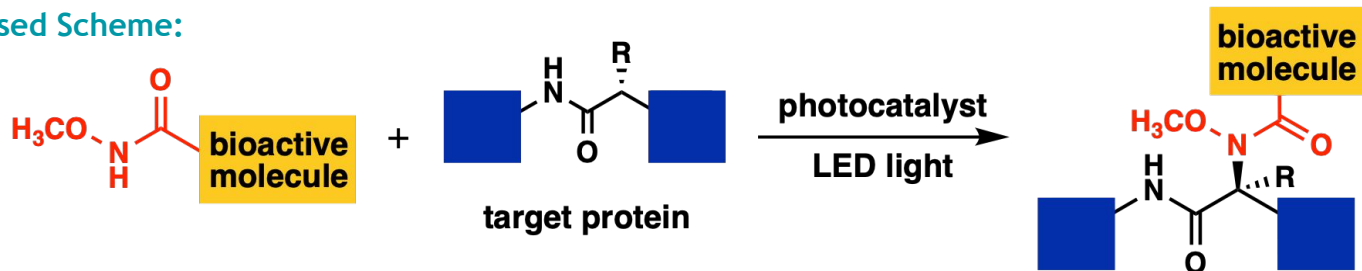


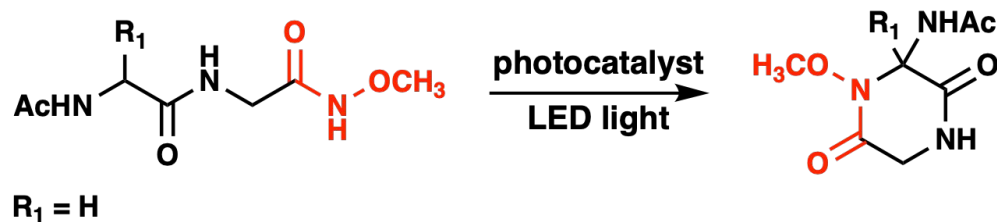
Photoredox Crosslinking as a Promising Approach to Target Identification

Ashley Mingyi Wang • Repka Lab • Department of Chemistry and Biochemistry, Middlebury College

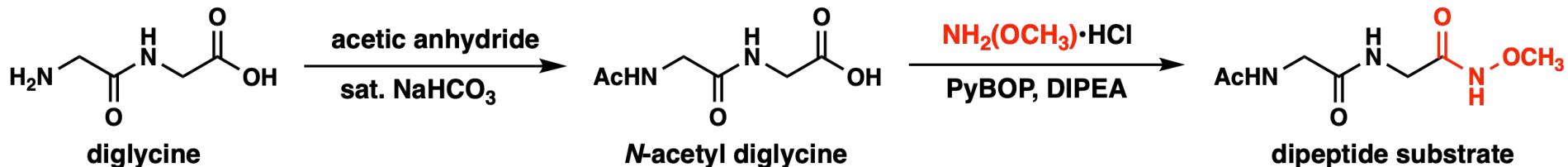
Overall Proposed Scheme:



Intramolecular Substrate:



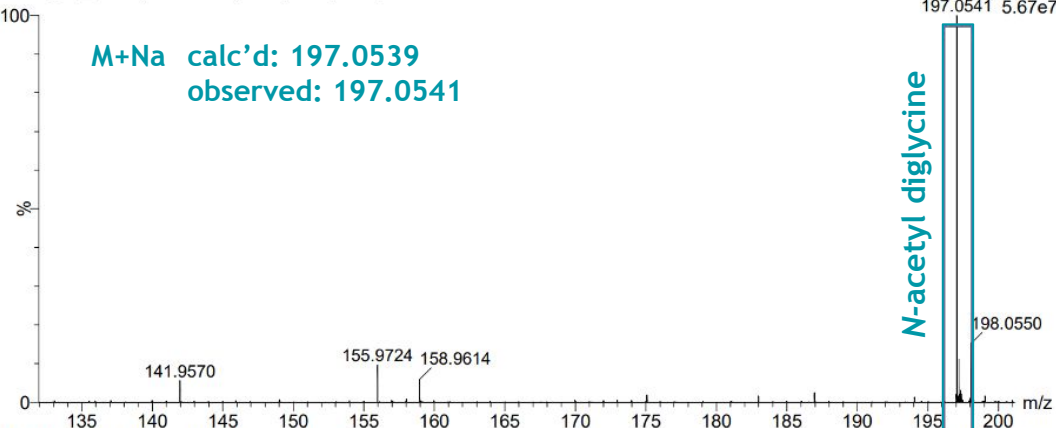
Synthesis of Glycine Dipeptide Substrate:



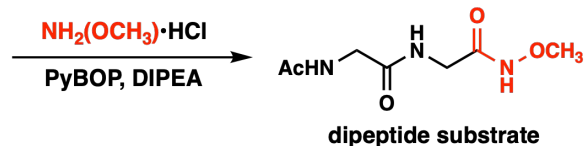
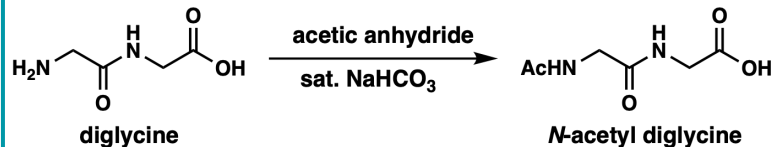
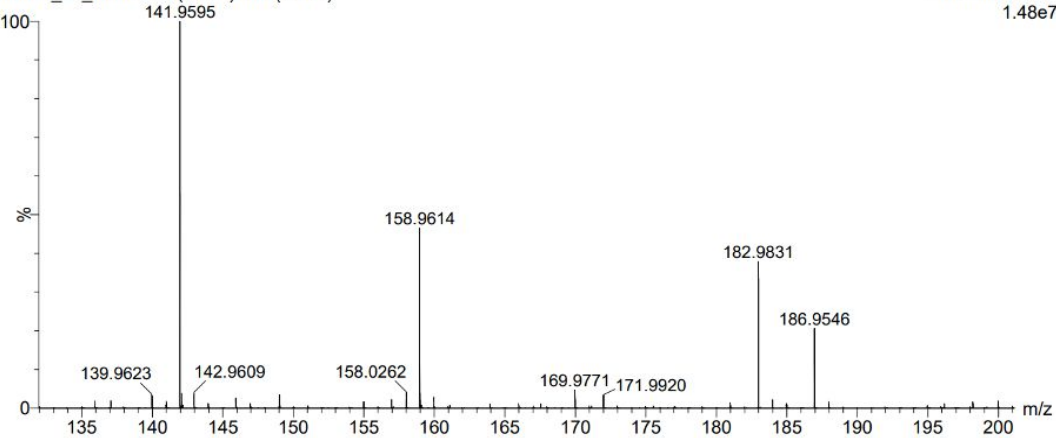
Synthesis of *N*-acetyl Diglycine

diglycine2

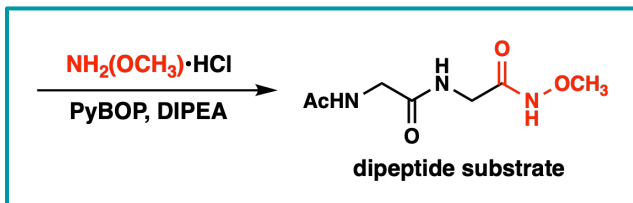
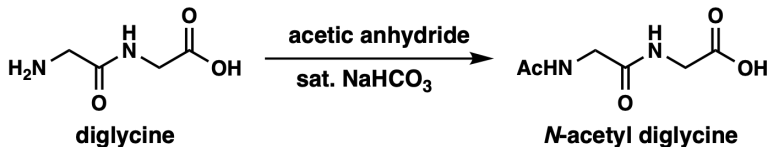
AMW1_20_crudeproduct 58 (1.055) Cm (55:63)



AMW1_20_blank2 56 (1.022) Cm (55:63)



Synthesis of Glycine Dipeptide Substrate



Now working on RP-HPLC and hopefully the photoredox crosslinking reaction!

