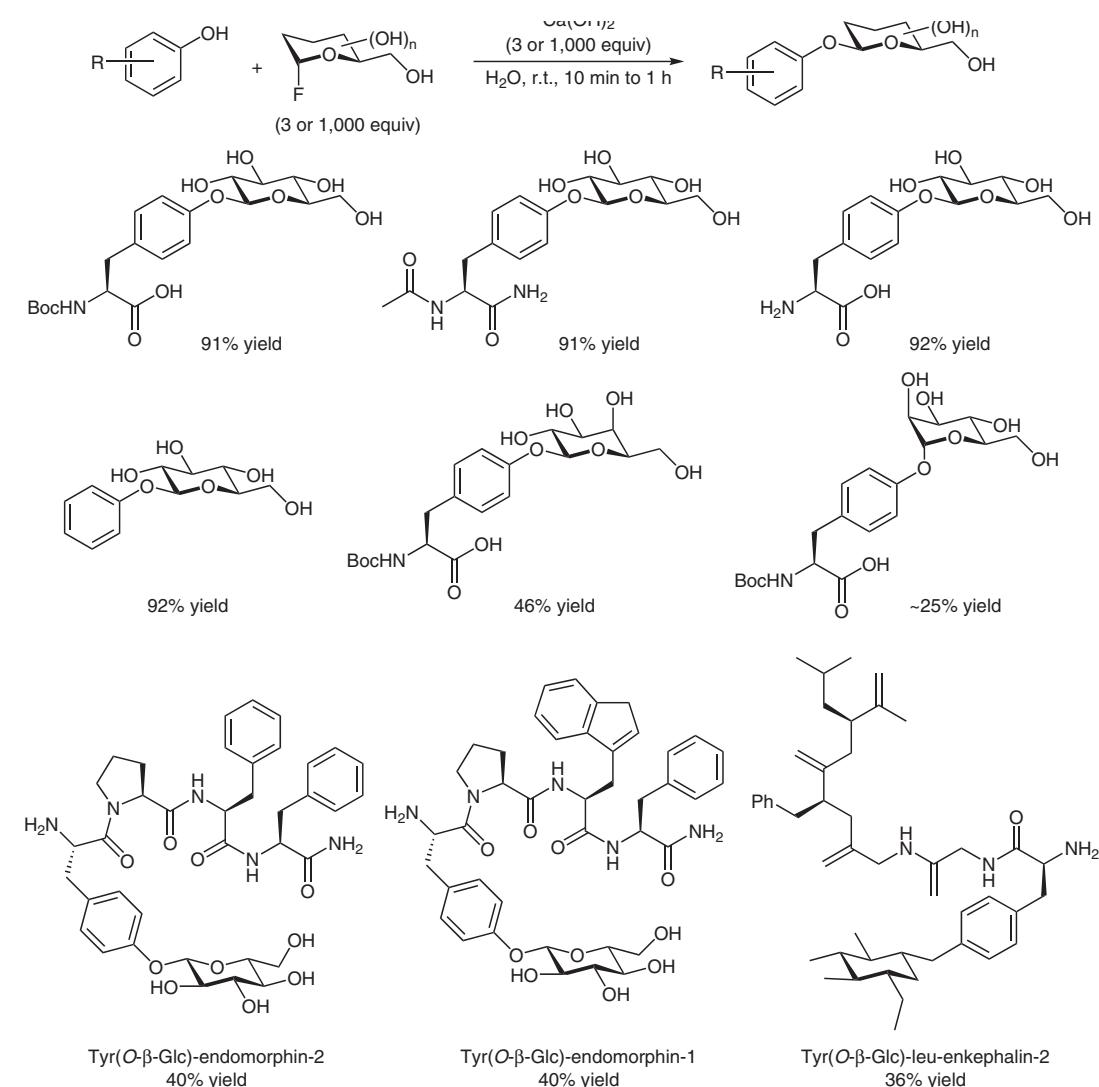


O-Glycosylation of Unprotected Peptides



Significance: A number of glycosylated natural products and synthetic glycopeptides can be found in important biochemical probes and therapeutic agents. The authors have developed an efficient phenolic O-glycosylation of small molecules, unprotected tyrosine, and complex unprotected peptides in aqueous solvent.

Comment: The glycosylation, employing glycosyl fluoride donors and $\text{Ca}(\text{OH})_2$, proceeds rapidly at room temperature to give high yields of the glycosylated products.

Category
Peptide Chemistry
Key words
glycosylation
fluoroglycosides
calcium hydroxide