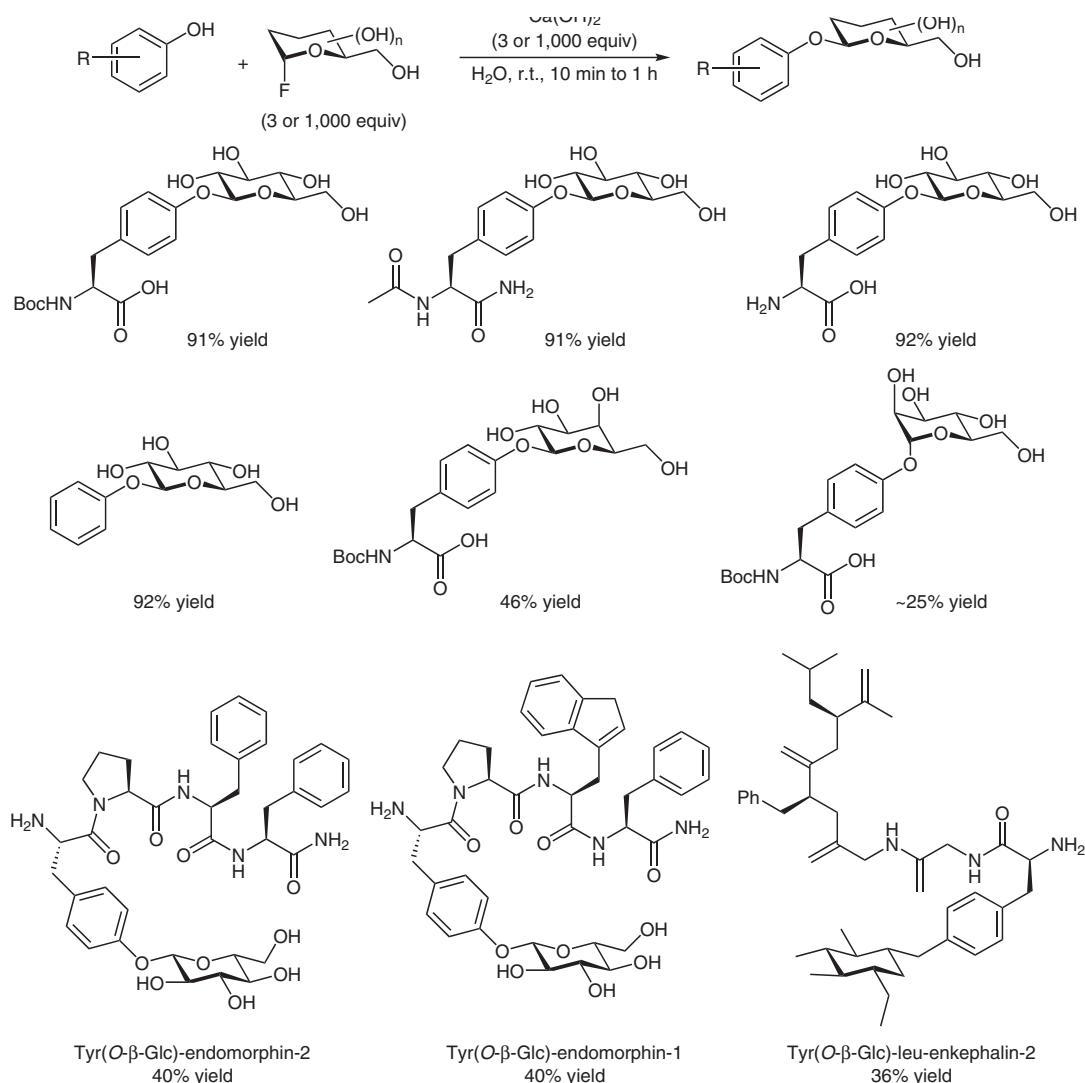


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Rapid Phenolic O-Glycosylation of Small Molecules and Complex Unprotected Peptides in Aqueous Solvent
Nat. Chem. **2018**, *10*, 644–652.

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.

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