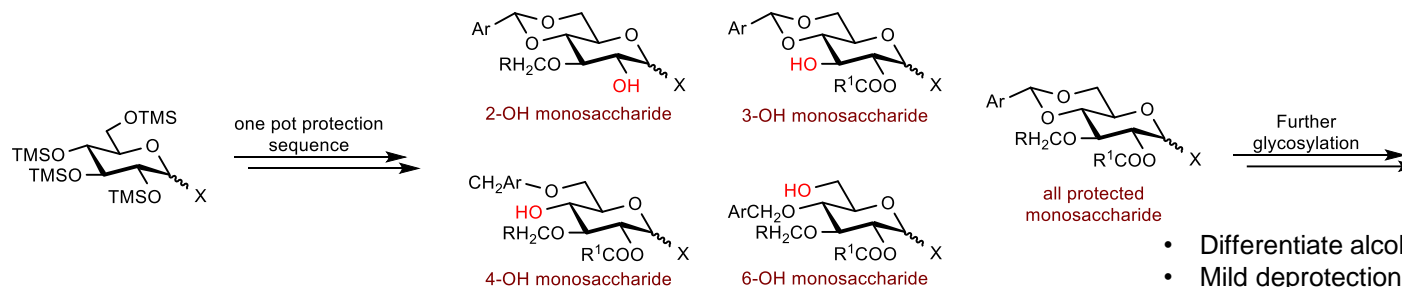
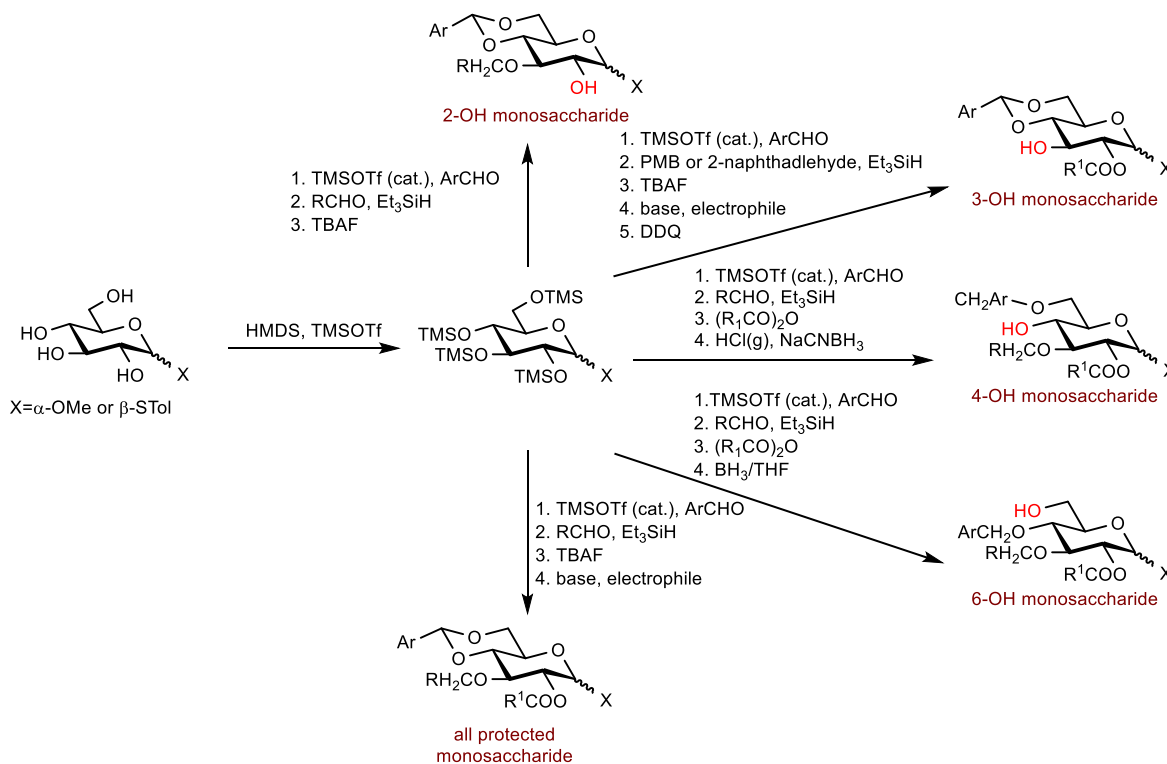


General Scheme

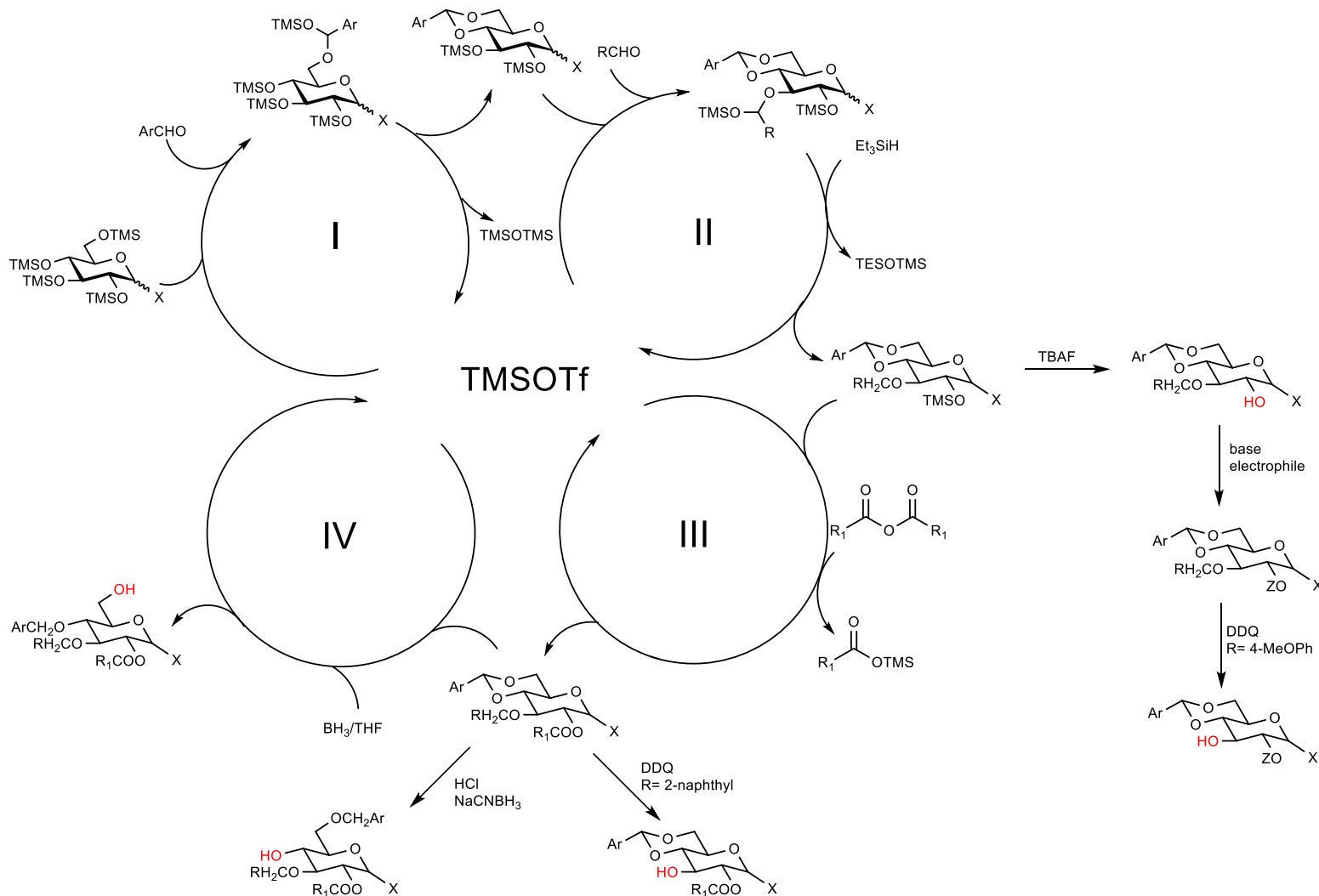


- Differentiate alcohol by different nucleophilicity
- Mild deprotection condition
- C-2 Acyl to achieve neighboring group participating effect

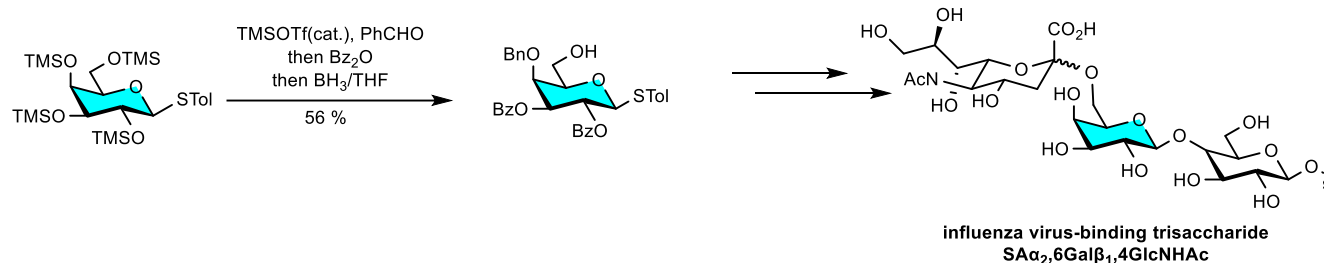
Protecting sequence



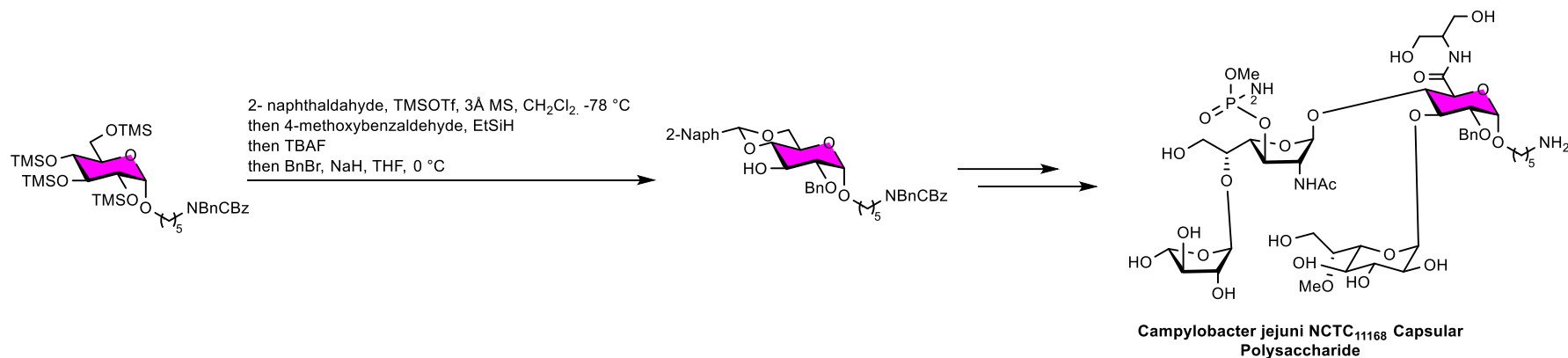
Catalytic cycle



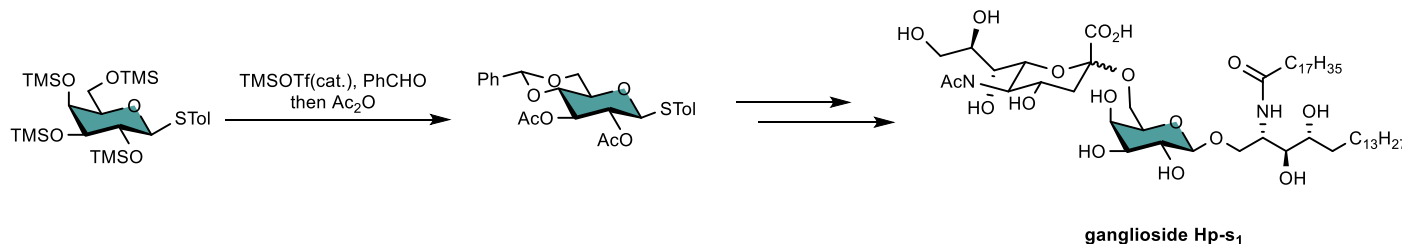
Synthetic application



Hung, S.C. *Nature*. **2007**, *446*, 896-899. <https://doi.org/10.1038/nature05730>



Wang, C.C. *J. Am. Chem. Soc.* **2023**, XXXX, XXX-XXX. <https://doi.org/10.1021/jacs.3c00102>



Luo, S.Y. *RSC Adv.*, 2014, *4*, 47752-47761. <https://doi.org/10.1039/C4RA08272A>