

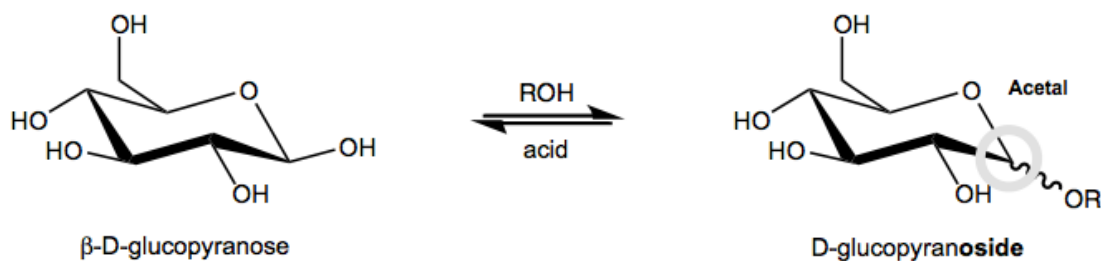
CONCEPT: MONOSACCHARIDES – O-GLYCOSIDES

Monosaccharides have the ability to react at the –O position in several different ways.

- In acidic conditions, monosaccharides can **alkylate** _____ at the *anomeric* position to produce **o-glycosides**

□ Also known as **Fischer Glycosidation**. Proceeds through a *reversible oxocarbenium* intermediate

General Reaction:



□ Why does alkylation only occur on the anomeric carbon?

Mechanism:

