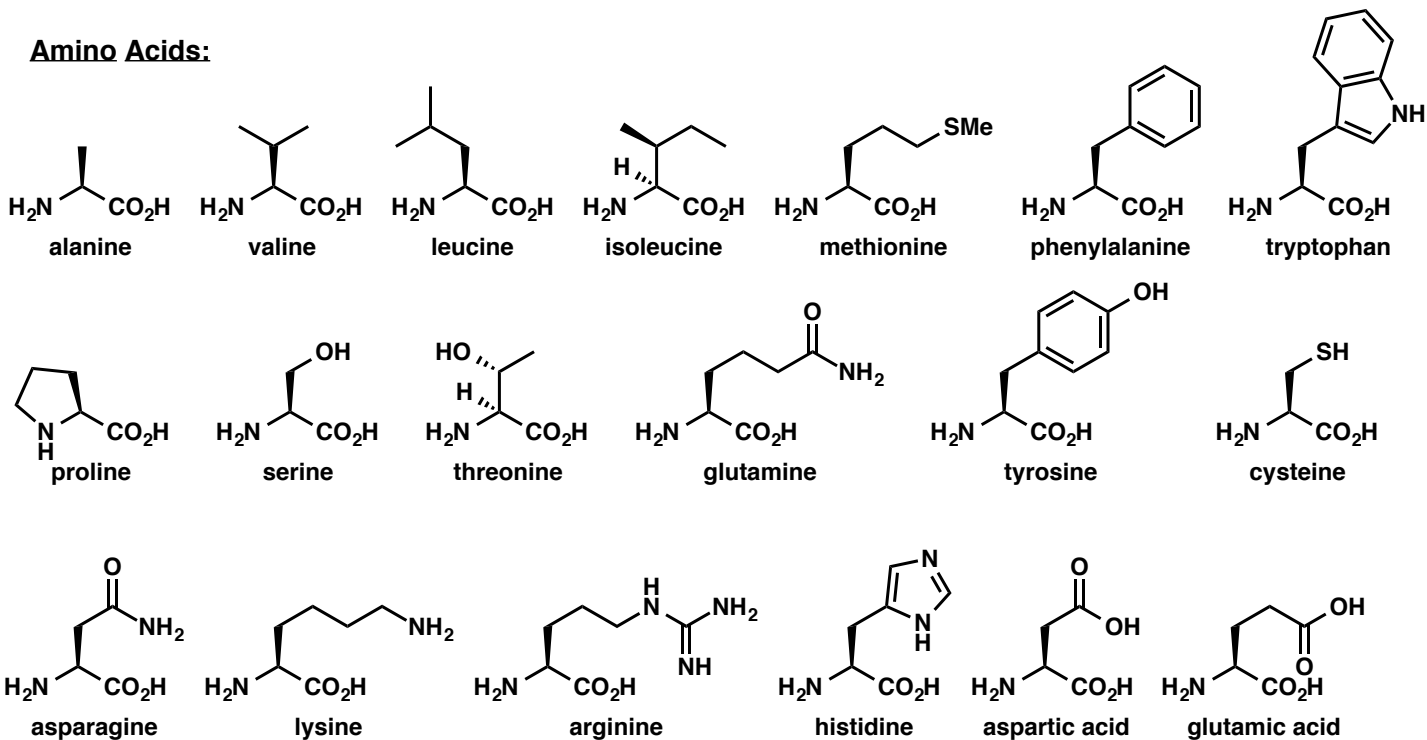


CHEM 6352 Organic Reactions & Synthesis

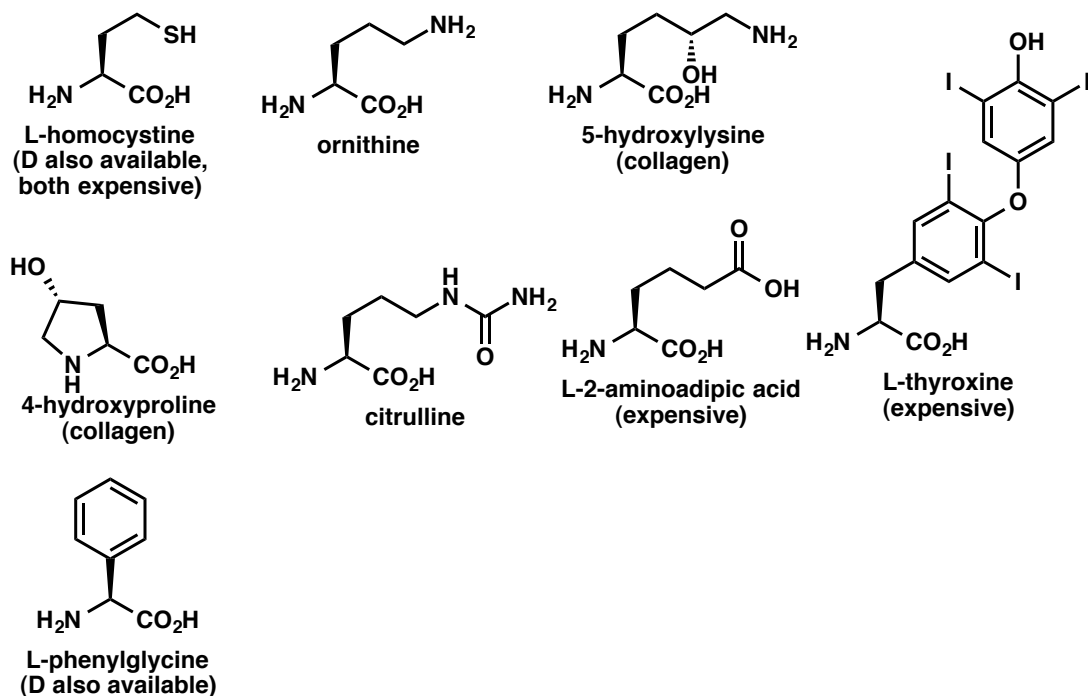
Chiral Pool

Adapted and expanded from: Wyatt and Warren, "Organic Synthesis," Wiley, 2007, Ch. 23: The Chiral Pool

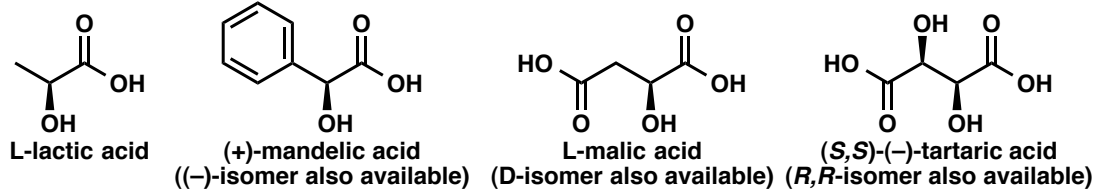
Amino Acids:



Uncommon Amino Acids:

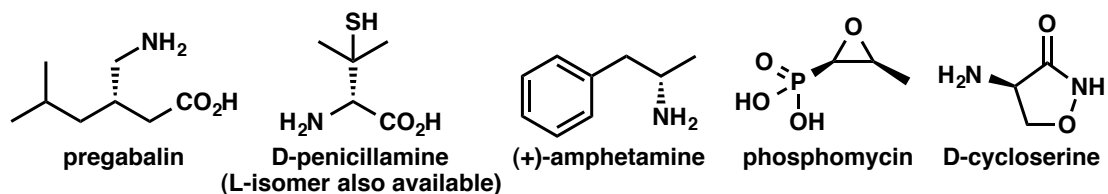


Hydroxy Acids

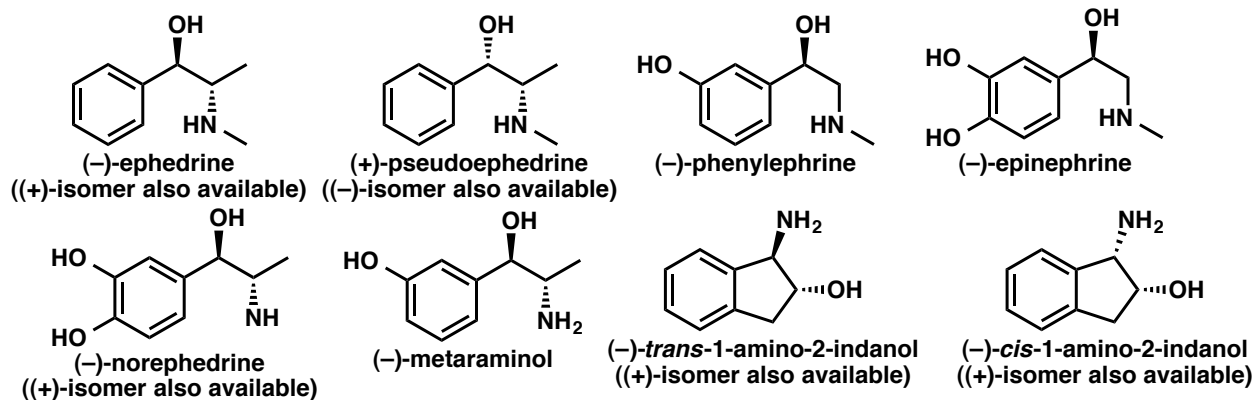


Others available through diazonium chemistry of amino acids

Pharmaceuticals:



Aminoalcohols:

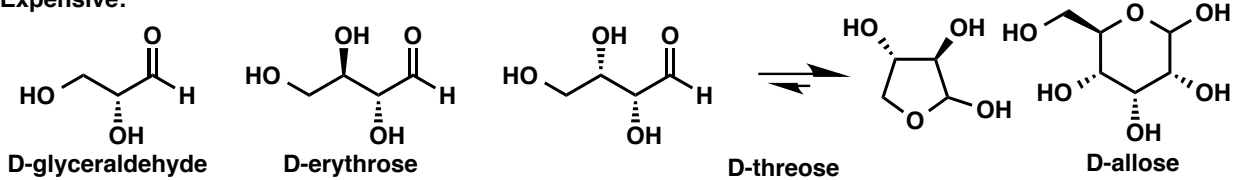


Others available through reduction of amino acids

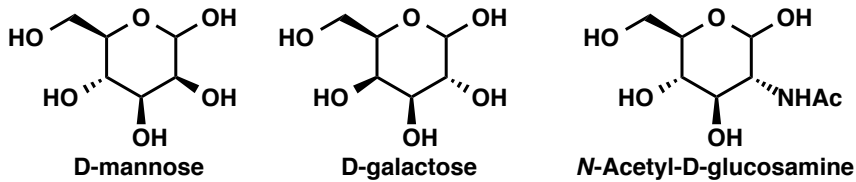
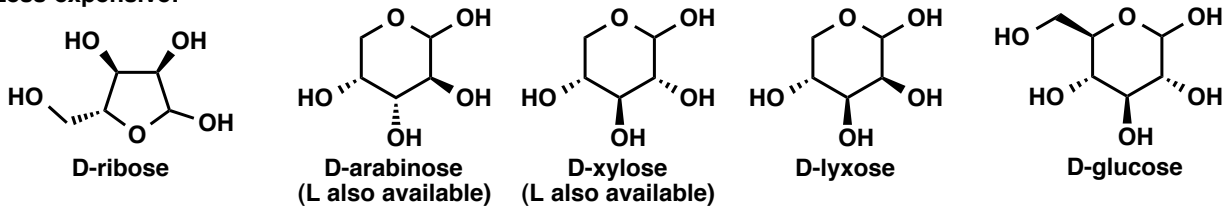
Carbohydrates:

Aldoses:

Expensive:

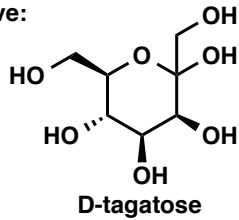


Less expensive:

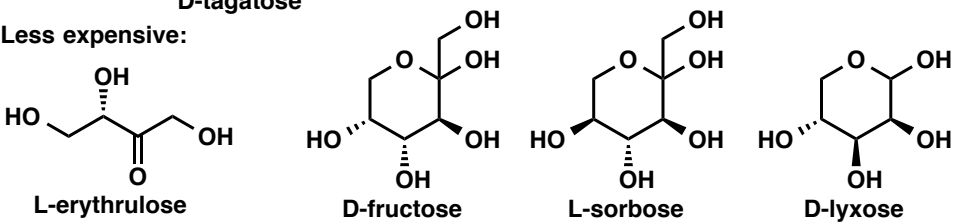


Ketoses:

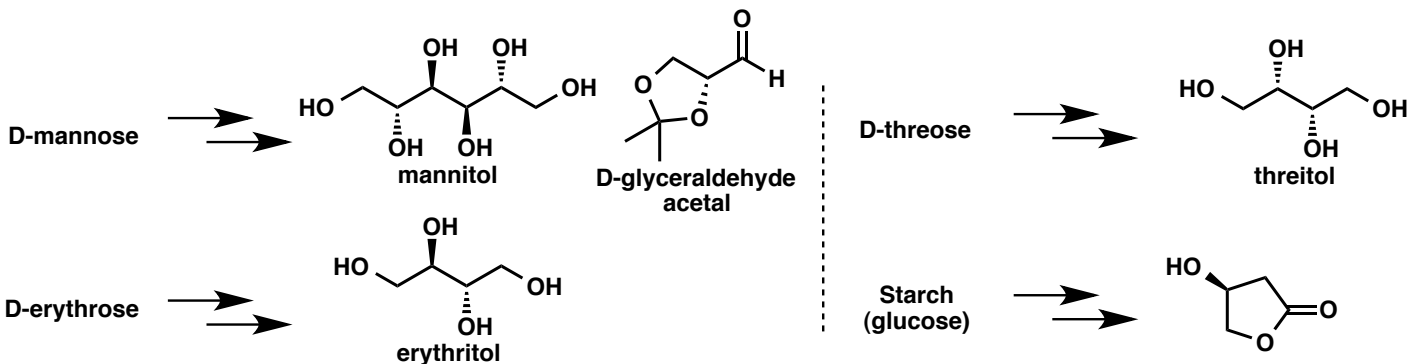
Expensive:



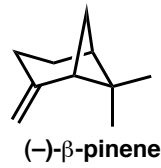
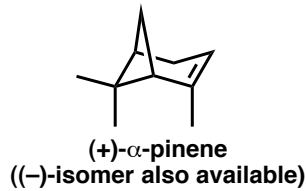
Less expensive:



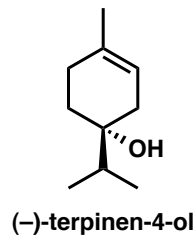
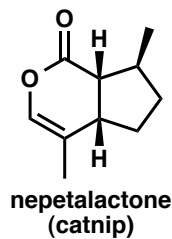
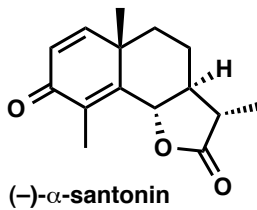
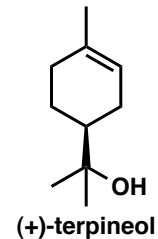
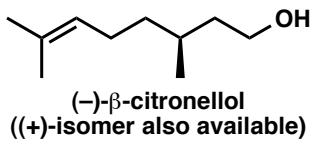
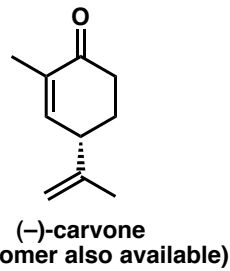
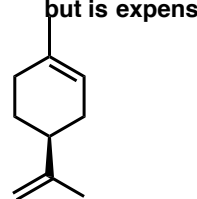
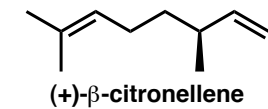
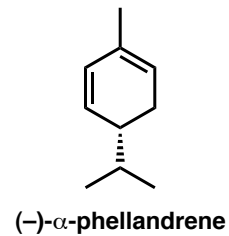
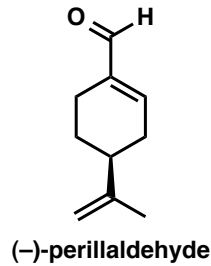
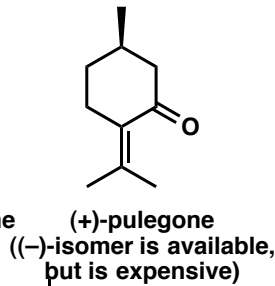
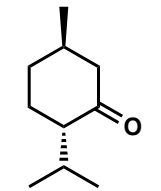
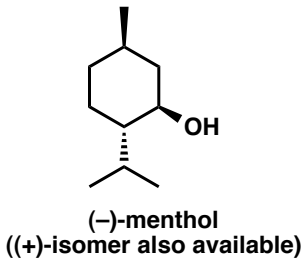
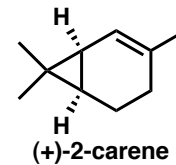
Carbohydrate Derivatives:



Terpenes:



more expensive



Readily Available Artificially-Derived:

