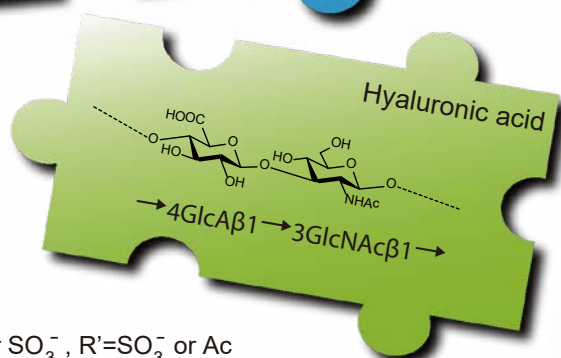
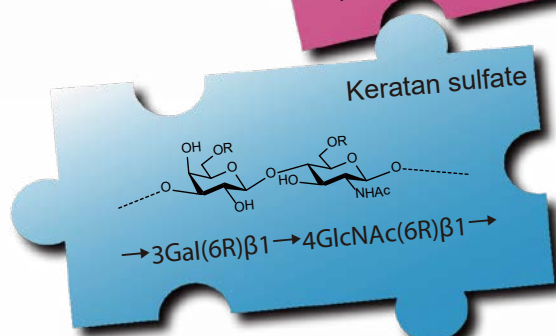
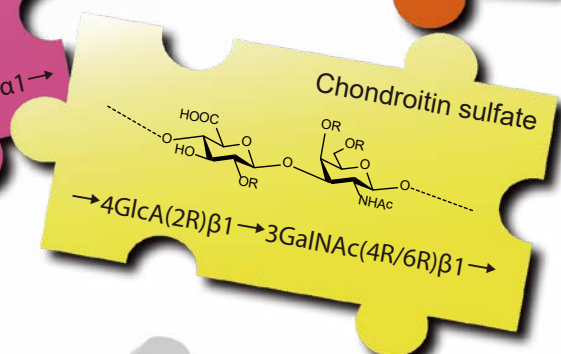
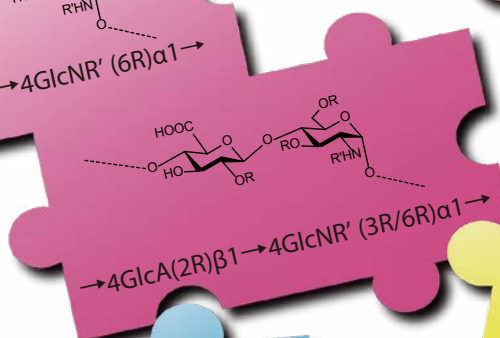
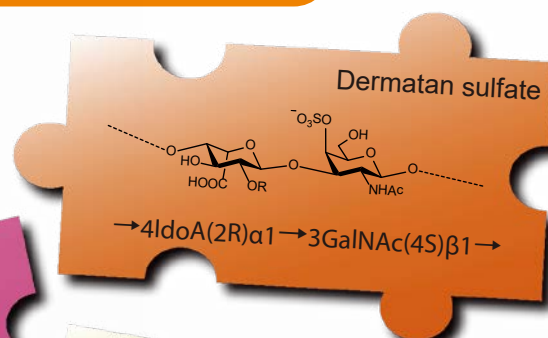
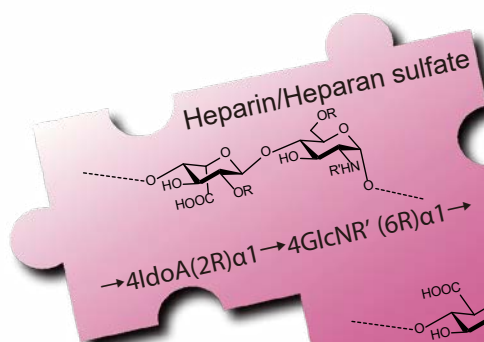


Chemical Synthesis of the Glycosaminoglycans

We offer your desired GAG.



R=H or SO_3^- , R'= SO_3^- or Ac

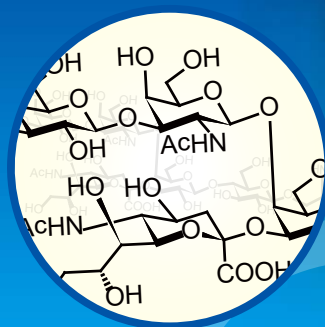


Glycosaminoglycans (GAG) are large molecule polysaccharides (molecular weight: roughly 10,000 - 2 million) constructed with a number of disaccharide repeating units consisting of a uronic acid (-glucuronic acid or -iduronic acid) and a hexosamine (*N*-acetylgalactosamine or *N*-acetylglucosamine). Most of the GAG sugar chains have sulfate groups. The number of repeating units and sulfate groups plays an important role for the biological activities of GAG. It is actually known that various functions of life phenomena are promoted by gaining a diversity of structure through GAG.

Since TCI has advanced, proprietary technology for synthesis of a wide range of sugar chains, it is possible to synthesize GAG having sulfate groups at a desired position and being composed of required sugar residues with high purity and large scale. Please contact us when you require GAG sugar chains.

Glycoscience

Sugar chains



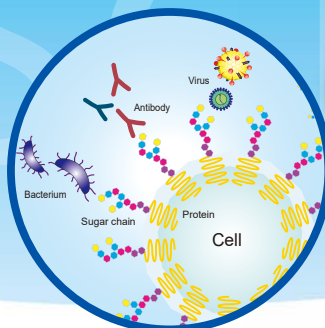
- Functional oligosaccharides
- Various sugar blocks at 10-100kg
- Synthetic technology with high-quality
- Application of sugar-conjugates

Enzymes



- Transfer of the intact oligosaccharide
- Glycohydrolase and the substrates

Antibodies & Lectins



- Antiglyco antibodies for Lewis, glycolipids, glycosaminoglycans
- Fucose specific lectins

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