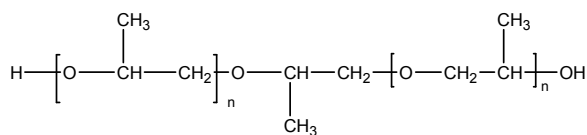
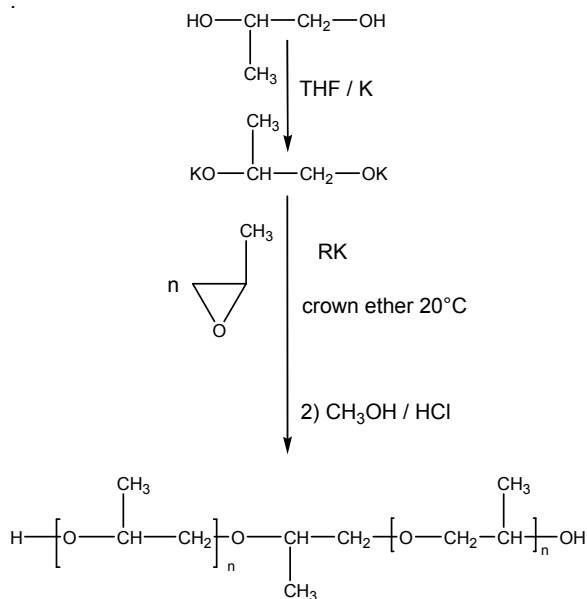


Sample Name: **α,ω - dihydroxy terminated-polypropylene oxide or Poly propylene glycol****Sample #: P6793-PO2OH****Structure:****Composition:**

$M_n \times 10^3$	PDI
4.0	1.20

Synthesis Procedure:

Polypropylene oxide is synthesized by anionic polymerization of propylene oxide as illustrated in the reaction scheme below

**Characterization:**

The molecular weight and polydispersity index (PDI) are obtained by size exclusion chromatography.

Purification:

The reaction mixture is filtered to remove the precipitated KCl after which the solvent is removed under reduced pressure. The polymer is then re dissolved in iso-octane, and recover after keeping the solution at -10 oC.

SEC of Homopolymer: