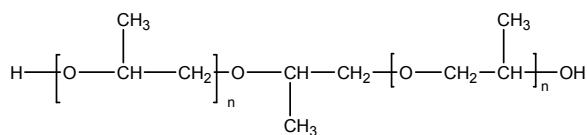
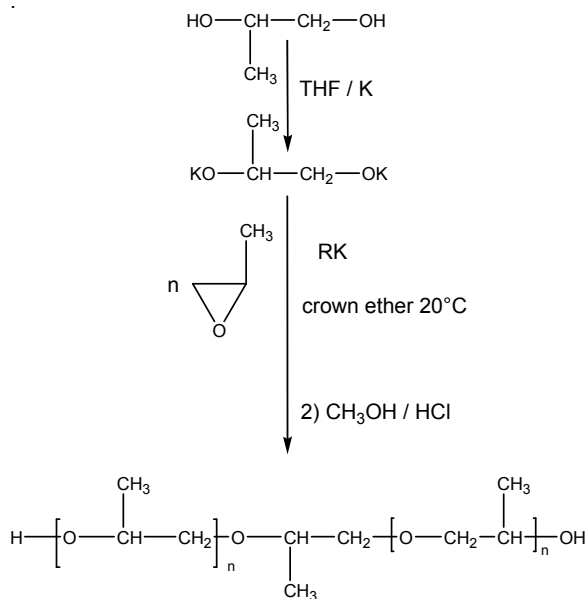


Sample Name: **α,ω - dihydroxy terminated-polypropylene oxide or Poly propylene glycol****Sample #: P9216-PO2OH****Structure:****Composition:**

$M_n \times 10^3$	PDI
0.40	1.08

Synthesis Procedure:

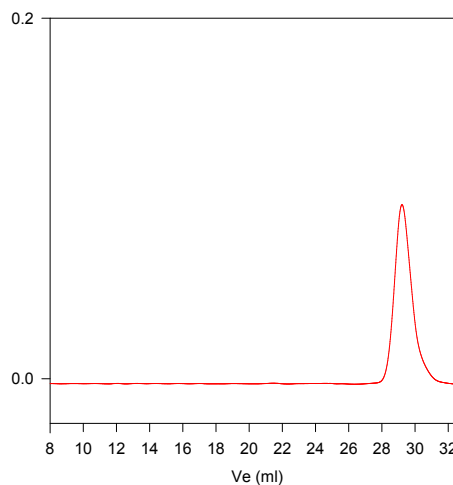
Polypropylene oxide is synthesized by anionic polymerization of propylene oxide as illustrated in the reaction scheme below

**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°C .

SEC of Homopolymer:**P9216-PP2OH**

Size Exclusion Chromatography of Dihydroxy Terminated Poly(propylene glycol)
 $M_n=400$, $M_w=430$, $PI=1.08$