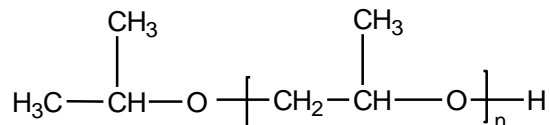
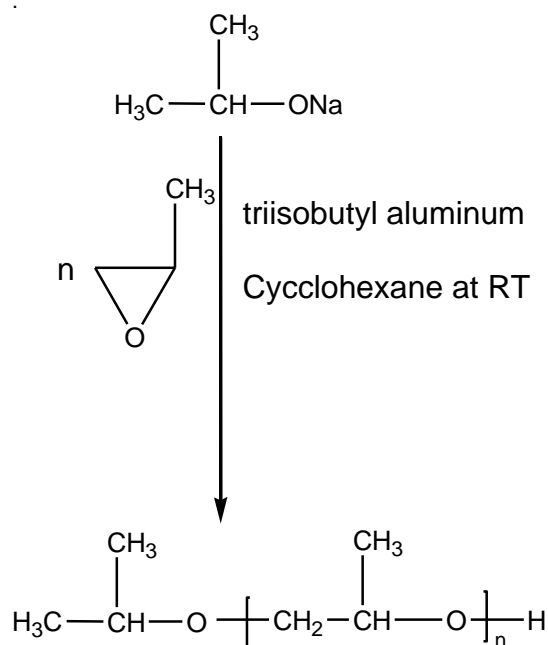


Sample Name: **α -Isopropyl ether-terminated-poly propylene oxide****Sample #: P8978-POOH4****Structure:****Composition:**

$M_n \times 10^3$	PDI
15.0	1.16

Synthesis Procedure:

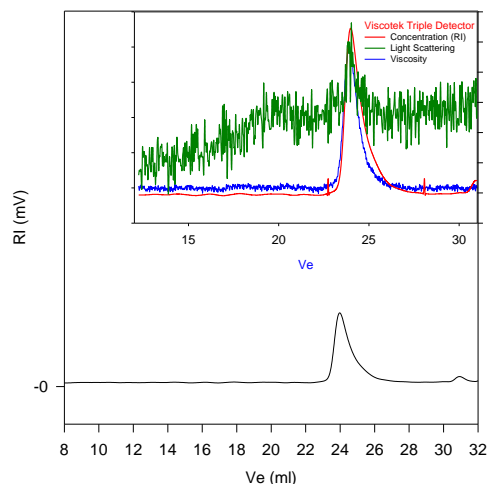
Polypropylene oxide is synthesized by anionic polymerization of propylene oxide as illustrated in the reaction scheme :

**Characterization:**

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

Purification:

Polymer purified by passing through Al_2O_3 packed column to remove the catalytic impurities.

SEC of Homopolymer:

Size Exclusion Chromatography of polymer:

— $M_n = 15,000$, $M_w = 17,400$, $M_w/M_n = 1.16$
 dn/dc in THF: 0.170 ml/g