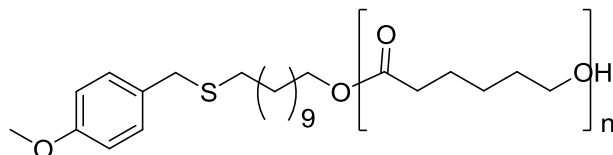


Sample Name: α -Methoxybenzylthio- ω -Hydroxy terminated Poly(ϵ -caprolactone)

Sample #: P20009-CL-SR

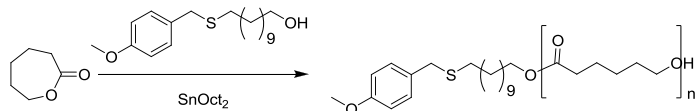
Structure:



Composition (NMR):

$M_n \times 10^3$ RS-PCL	PDI
6.2 (NMR)	1.25
SR functionality $\geq 95\%$	

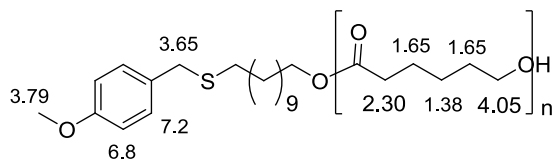
Synthetic Procedure: RS-PCL, bearing a methoxybenzoyl protected thiol moiety, is prepared by ring-opening polymerization of ϵ -caprolactone according to the scheme illustrated below:



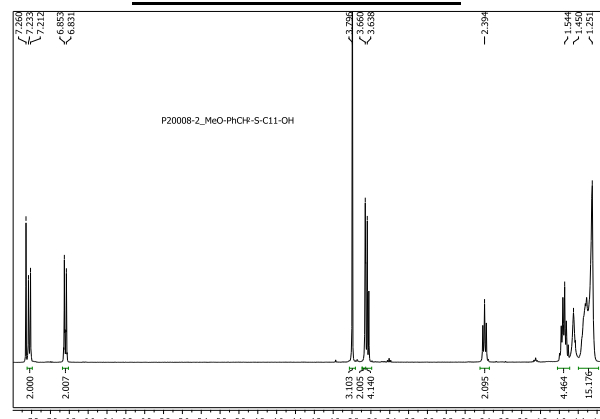
Characterization: PCL bearing a protected thiol end PCL was analyzed by size exclusion chromatography (SEC) to obtain the polydispersity index (PDI). M_n was calculated from $^1\text{H-NMR}$.

Solubility: Poly(ϵ -caprolactone) is soluble in CHCl_3 , Acetone, THF. Precipitated from Acetone or CHCl_3 into hexane/EtOH or ether/EtOH.

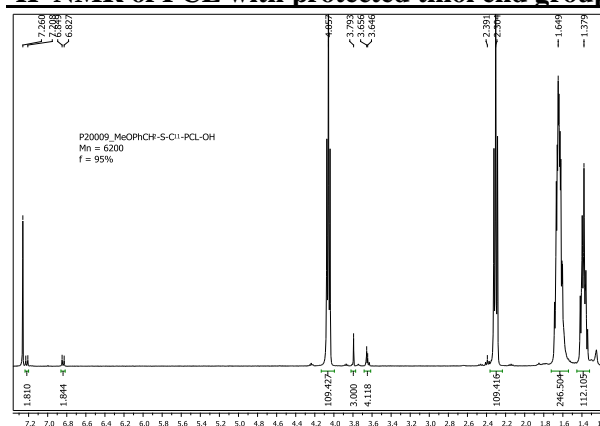
Chemical shifts assignments



$^1\text{H-NMR}$ of the Initiator:



$^1\text{H-NMR}$ of PCL with protected thiol end group



SEC of the polymer:

