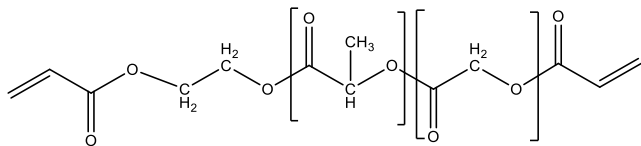


**Sample Name:** Poly(DL-lactide-co-glycolide),  $\alpha,\omega$ -bis(acryloxy)-terminated

**Sample #:** P43401-DLLAGly-2Acrylate

**Structure:**



**Composition:**

$M_n \times 10^3$	PDI
10.0	1.3

DLLA: Glycolide Molar ratio 52:48

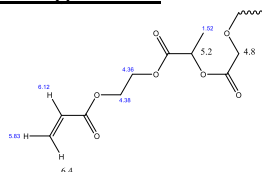
**Synthetic Procedure:**

The product was synthesized by using 2-Hydroxy ethyl acrylate initiator and Sn Octoate catalyst followed by Functionalization with acrylo chloride to get close to quantitative functionalization.

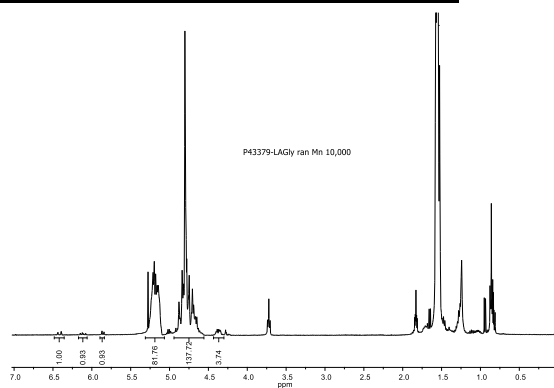
**Characterization:**

The product was characterized by size exclusion chromatography (SEC) and  $^1\text{H}$  NMR data analysis.

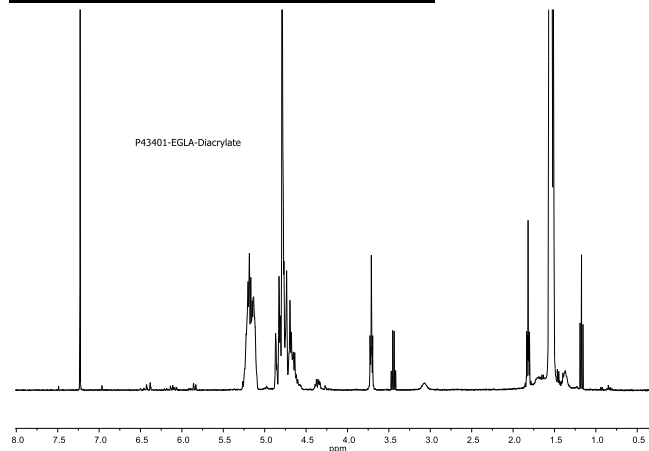
**Chemical shifts assignments**



**H NMR spectrum of Random copolymer bearing acryloyl moieties: Monochelic polymer: functionality close to 99% (precursor)**



**HNMR of the Telechelic polymer:**



**SEC profile of the polymer Monochelic Lot# P43379:**

**Workspace Details**  
 Workspace name  
 Location  
 Comments  
 Created by

Calibration 2020-05-25  
 D:\GPC\Workspaces\Calibration 2020-05-25\  
 agilent2 at 10:50:19 AM on May 25, 2020

**Chromatogram Plot**

