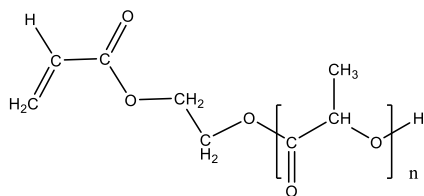


Sample Name:
Poly(DL-lactide), α -acryloyloxy terminated

Sample #: **P44076E-LA-Acr**

Structure:

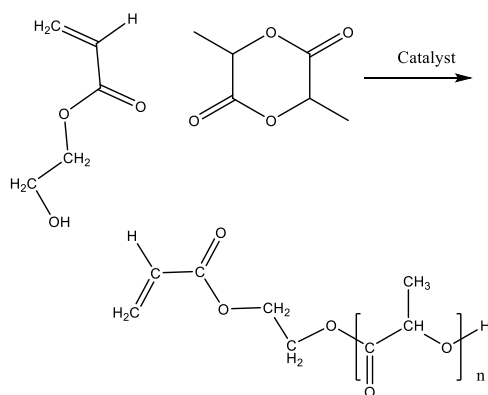


Composition:

$M_n \times 10^3$	PDI
8.5	1.2

Synthetic Procedure:

The scheme of the reaction is illustrated below:



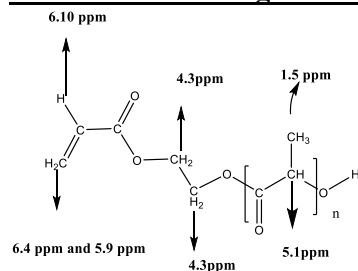
Solubility:

PDLLA is soluble in CHCl_3 , Acetone, THF and it is insoluble in ethanol, hexane. It Precipitated from Acetone or CHCl_3 into EtOH or hexane/EtOH.

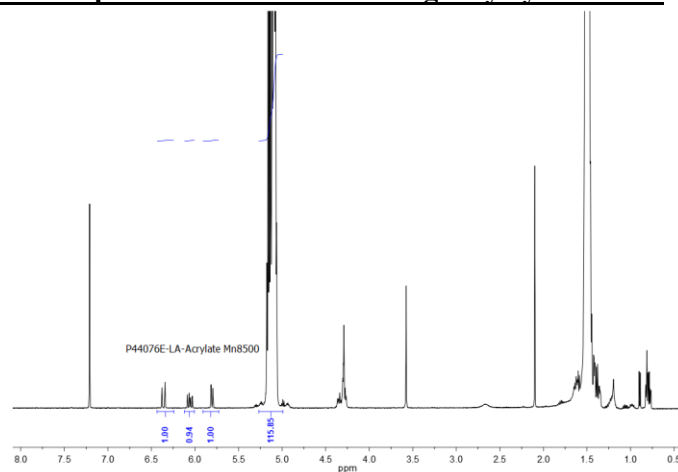
Characterization:

PDLLAs were analyzed by size exclusion chromatography (SEC) to obtain the polydispersity index (PDI). M_n was estimated by NMR. Percentage of vinyl functionality was determined from the integrals ratio of the peaks at 2.90 and 5.9, 6.1 and 6.4 ppm.

Chemical shifts assignments



HNMR spectrum of PDLLA bearing acryloyl moieties:



SEC profile of the polymer:

Workspace Details
 Workspace name: Calibration 2021-10-27
 Location: D:\GPC\Workspaces\Calibration 2021-10-27\
 Comments:
 Created by: agilent2 at 4:40:59 PM on October 27, 2021

Chromatogram Plot

