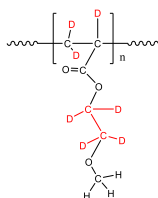


Sample Name: Deuterated Poly(2-methoxyethyl acrylate-d7)

Methoxy and backbone protons are deuterated

Sample #: P43836B-d7MeOEA

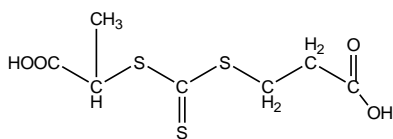
Structure:



Composition:

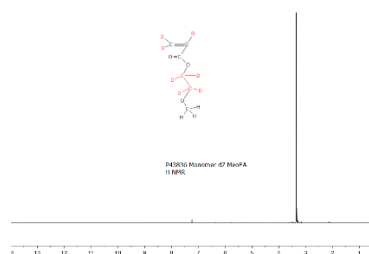
Mn x 10 ³	PDI
42	1.45

Synthesis Procedure: Polymer is obtained by RAFT polymerization process using following RAFT Reagent:

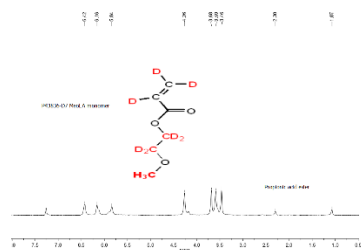


Characterization: Validation of architecture was carried out by GPC (THF) and by ¹H NMR and ²H NMR.

¹H NMR spectrum of d7 2-Methoxy ethyl acrylate monomer:

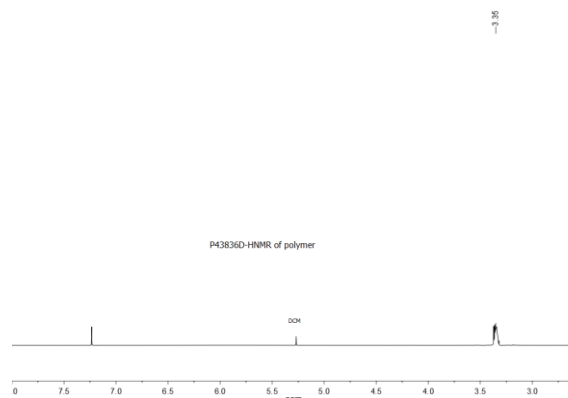


²H NMR spectrum run in CHCl₃ 400MHz:

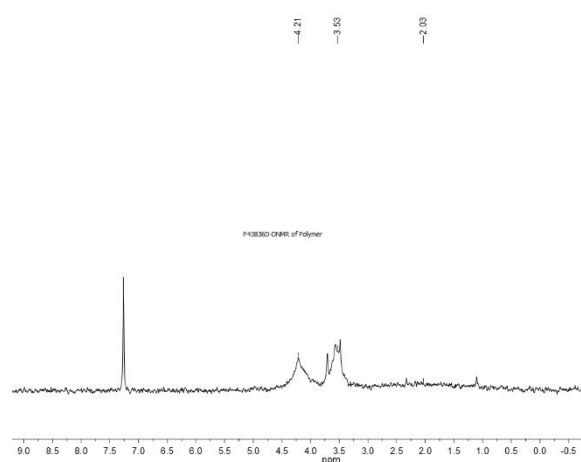


PS. The [preseemnce of ester of Propionic acid do not participate in the process of polymerization but in-fact act as solvent for the process that latter wash out in the recovery of polymer.

¹H NMR spectrum of Polymer:



²H NMR spectrum of the final polymer



GPC elugram of Polymer Carried out in THF:

