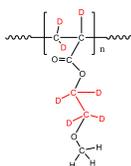


Sample Name: Deuterated Poly(2-methoxyethyl acrylate-d7)

Methoxy protonated and backbone, ethylene glycol protons are deuterated

Sample #: P43836D-d7MeOEA

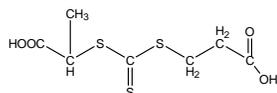
Structure:



Composition:

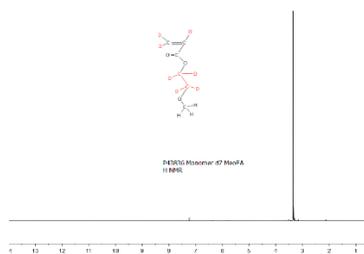
Mn x 10 ³	PDI
26	1.08
Color of the polymer: Clear No ivory color	

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

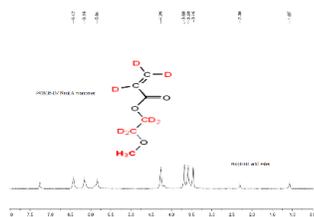


Characterization: Validation of architecture was carried out by GPC (THF) and by ¹H NMR and ²H NMR.

HNMR spectrum of d7 2-Methoxy ethyl acrylate monomer:

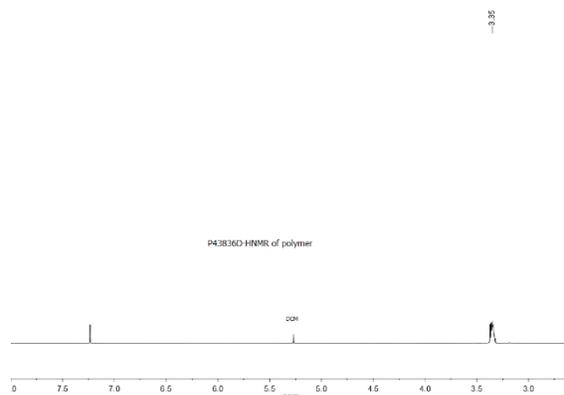


DNMR spectrum run in CHCl3 400MHz:

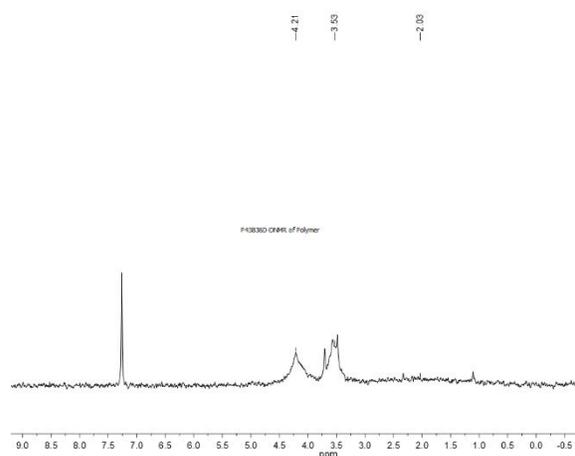


PS. The [presence of ester of Propionic acid do not participate in the process of polymerization but in-fact act as solvent for the process that latter wash out in the recovery of polymer.

HNMR spectrum of Polymer:



D NMR spectrum of the final polymer



GPC elugram of Polymer Carried out in THF:

