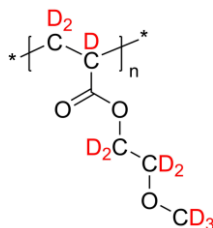


Sample Name: Poly(2-methoxyethyl acrylate-d10)

Sample #: P43798-d10MeOEA

Structure:

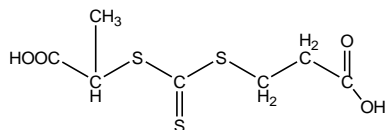


Composition:

Mn x10 ⁻³	Mw/Mn
29.0	1.04

Synthesis Procedure:

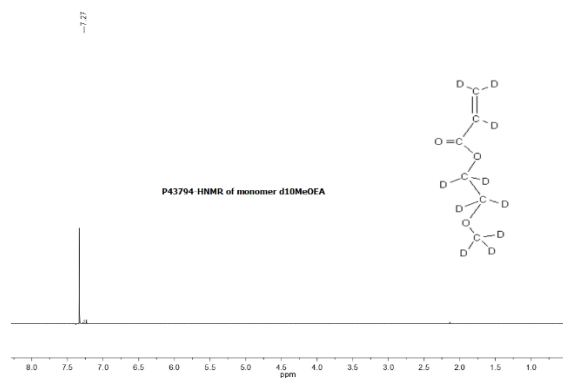
The polymer was synthesized by RAFT polymerization process using following RAFT Reagent:



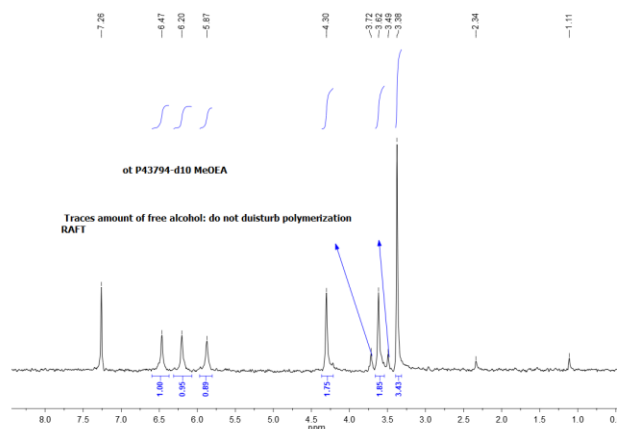
Characterization:

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

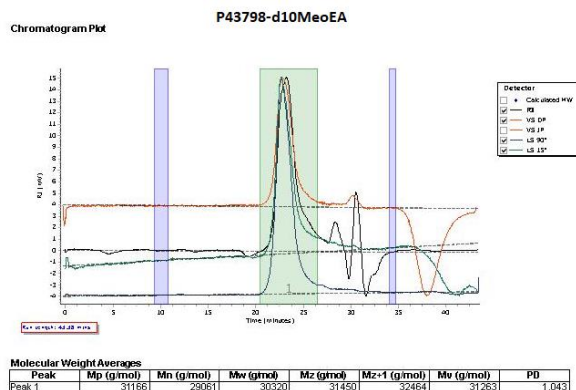
¹H NMR spectrum of Monomer run in CDCl₃ 400MHz:



²H NMR spectrum run in CHCl₃ 400MHz:



SEC elugram of Polymer Carried out in THF:



Peak	Mp (g/mol)	Mn (g/mol)	Mw (g/mol)	Mz (g/mol)	Mz+1 (g/mol)	Mw (g/mol)	PD
Peak 1	31166	29061	30320	31450	32464	31263	1.043