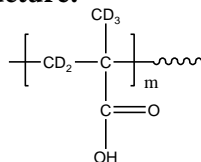


Sample Name:

Deuterated Poly(methacrylic acid-d5)

Sample #: **P42356-d5MAA**

Structure:

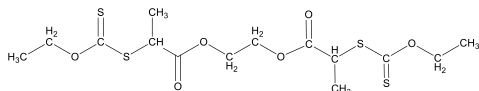


Composition:

Mn x 10 ³	PDI
5.5	1.13

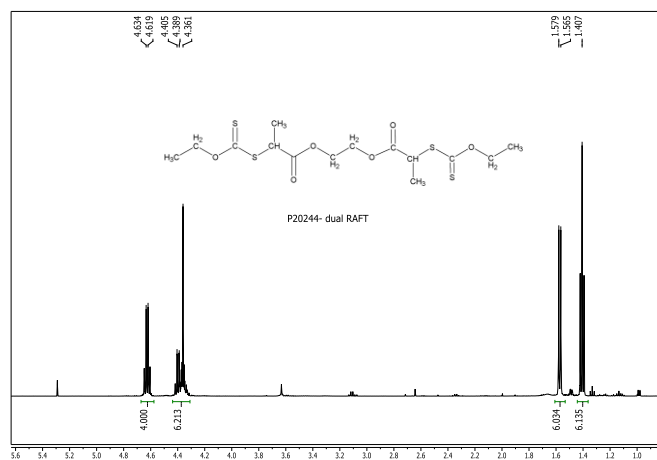
Synthesis Procedure:

Deuterated Poly (methacrylic acid) is synthesized by RAFT polymerization process using following RAFT moiety.



Chemical Formula: C₁₄H₂₂O₆S₄
Molecular Weight: 414.6

¹H NMR spectrum of the RAFT moiety (500 MHz, CDCl₃):



Characterization:

The product was characterized by size exclusion chromatography (SEC).

SEC profile of the polymer:

P42356-d5MAA run in DMF

