Product Profile

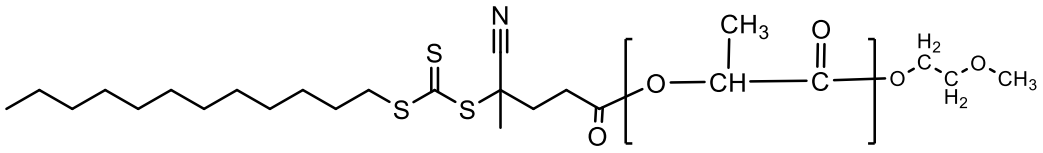
Identification

Product Name: **Poly(D,L-lactide), 4-cyano-4-[(dodecylsulfanylthiocarbonyl)sulfanyl]pentonate terminated**

Synonym(s): PdlLA RAFT terminated, RAFT-PLA

Sample#: **P45704-DLLA-RAFT**

Product Chemical Architecture:



Composition:

Mn x 10^3	Mw/Mn (PDI)	RAFT functionality
5.0	1.15	75%

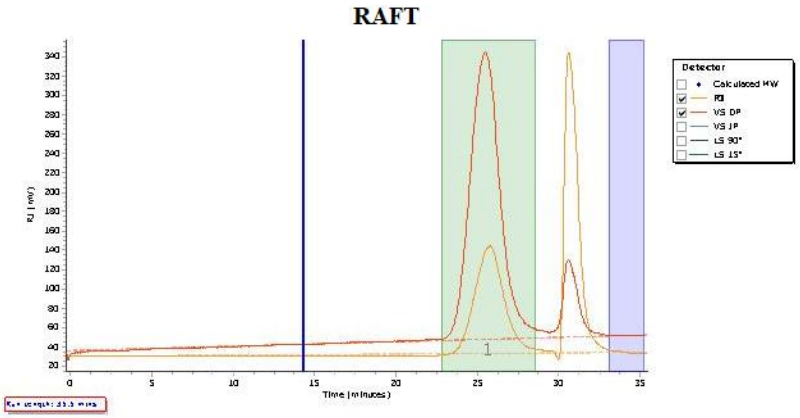
Method of Synthesis

Solubility in different solvents

THF	√		
CHCl3	√	DMF	√
Toluene-Hot	√		

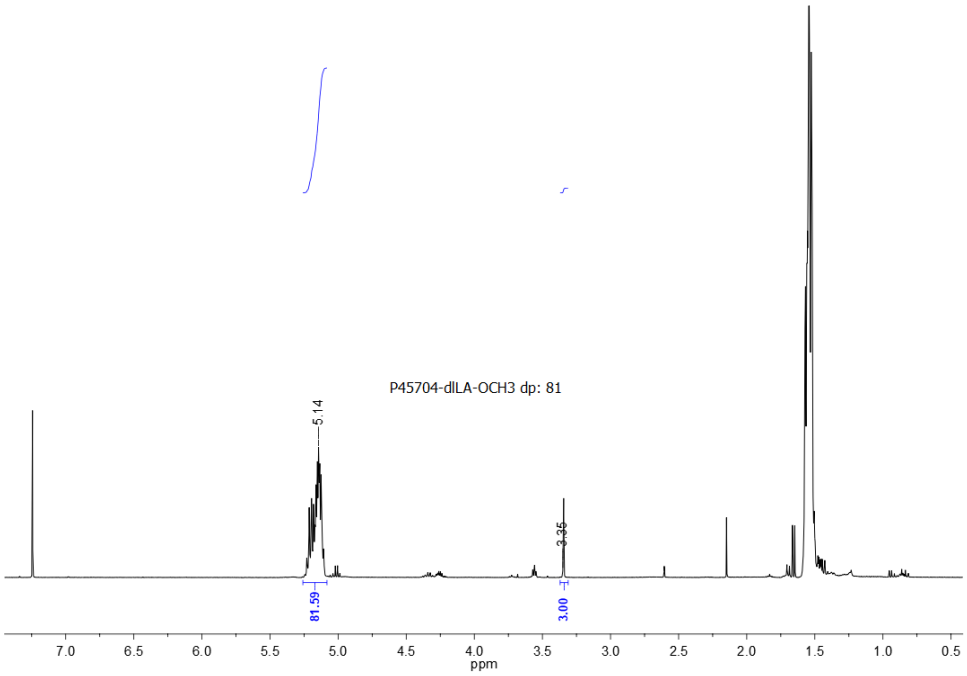
Validation of Architecture:

A. **Gel Permeation Chromatography (GPC), SEC- Profile**

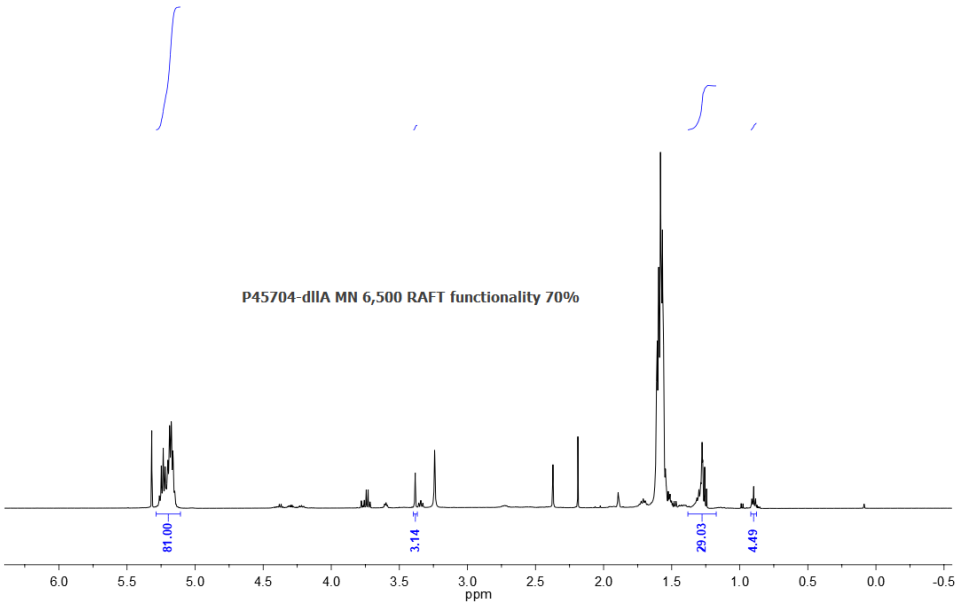


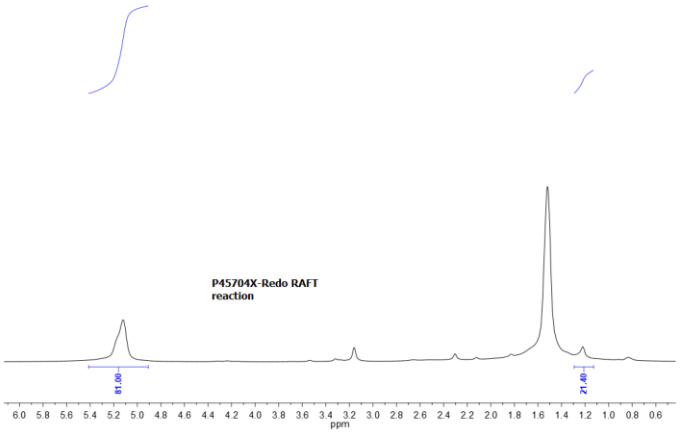
Mn from HNM'R and MW/MN by GPC 1.15

B. NMR (HNMR) of dlLA-OCH3



C. HNMR of dlLA-RAFT





D. Thermal analysis profile of polymer

