Product Profile

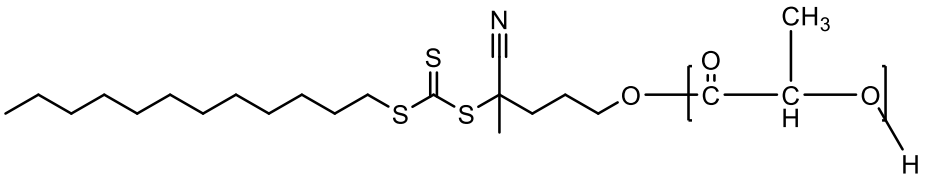
Identification

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

Synonym(s): **PLLA RAFT terminated, RAFT-PL LA**

Sample #: **P45643-LLA-RAFT**

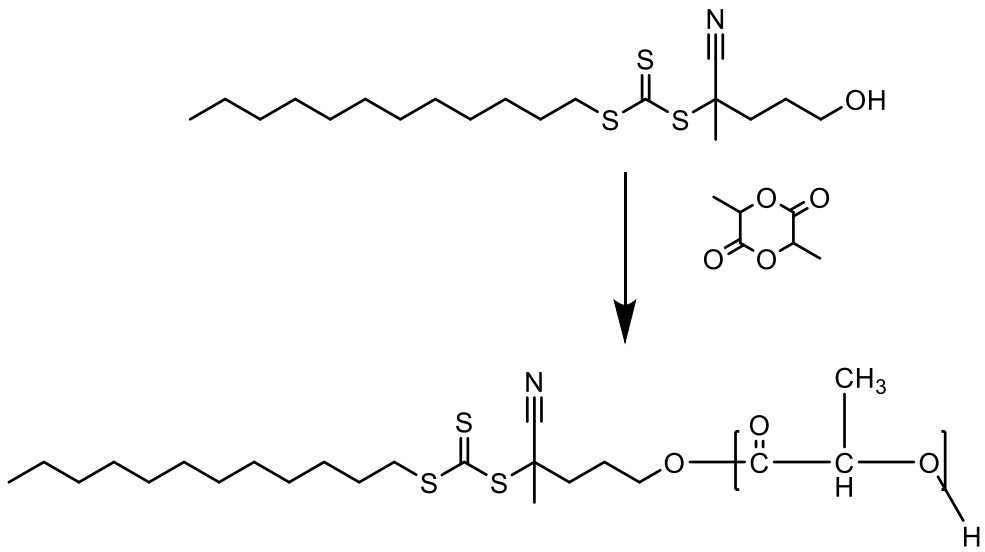
Product Chemical Architecture:



Composition:

Mn x 10^3	Mw/Mn (PDI)
10.5	1.3

Method of Synthesis: Polymerization Scheme:



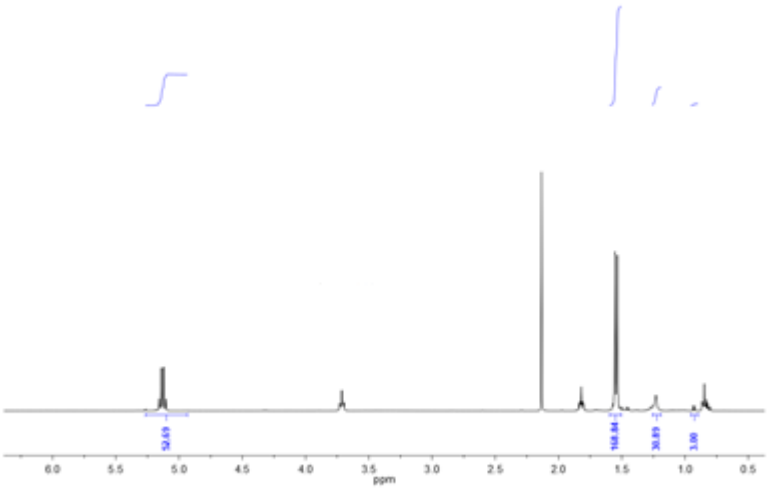
Solubility in different solvents

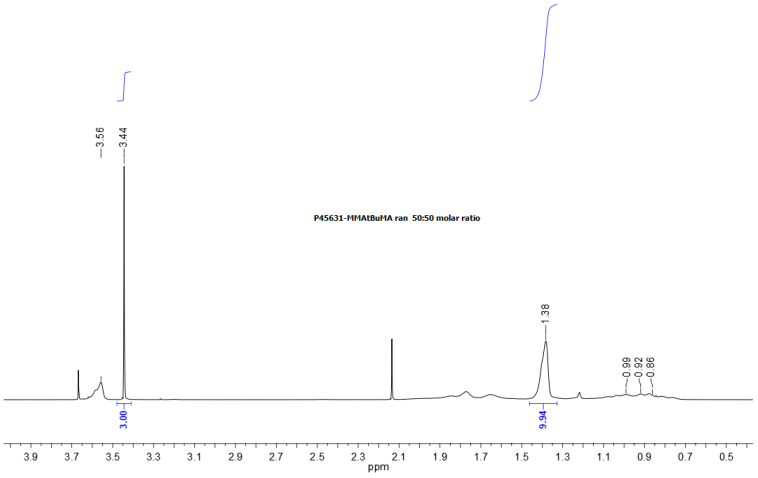
THF	√		
CHCl3	√	DMF	√
Toluene-Hot	√		

Purification of Polymer: Soxhlet in Hexane

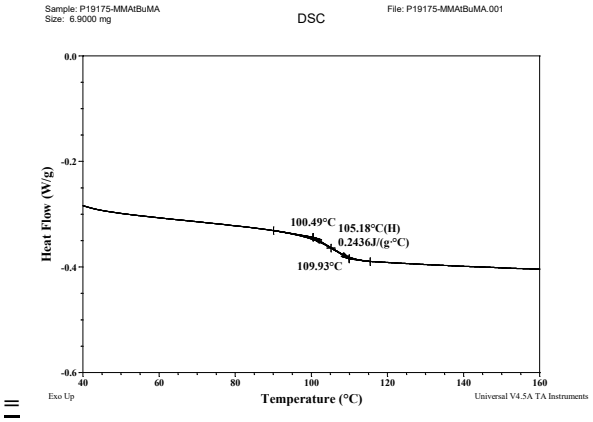
Validation of Architecture:

A. NMR (HNMR) of polymer:





B. Thermal analysis profile of polymer



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