

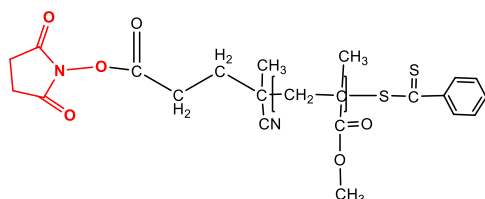
Product Profile

Identification

Product Name: Poly(methyl methacrylate), α -N-hydroxysuccinimdy(NHS)-terminated

Product Lot Number: P44905-MMA-NHS

Product Chemical Architecture:

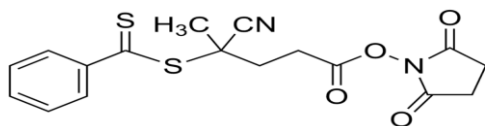


Composition:

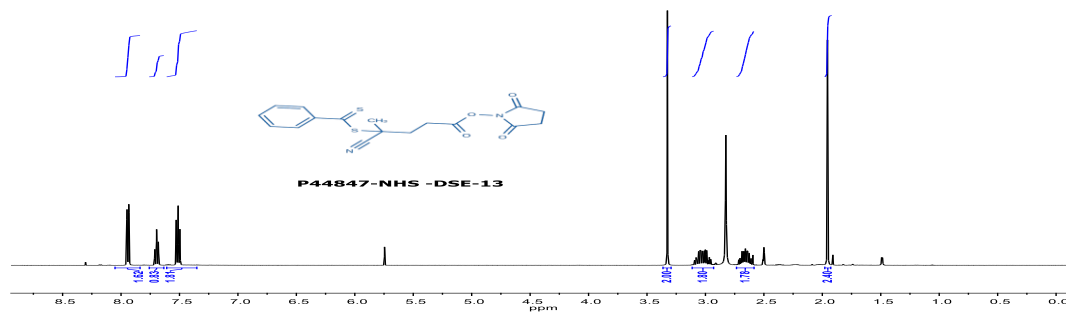
Mn x 10 ³	Mw/Mn (PDI)	Microstructure of Polymer by ¹ H NMR Syndio:hetero:iso
4.2	1.13	58: 34:8
Dp; 42 from ¹ H NMR		

Method of Synthesis: By RAFT process using NHS containing RAFT following reagent.

Structure:



¹H NMR of RAFT (400 MHz, CDCl₃-d):



Solubility in different solvents

THF	√		
CHCl ₃	√		
Toluene-Hot	√		

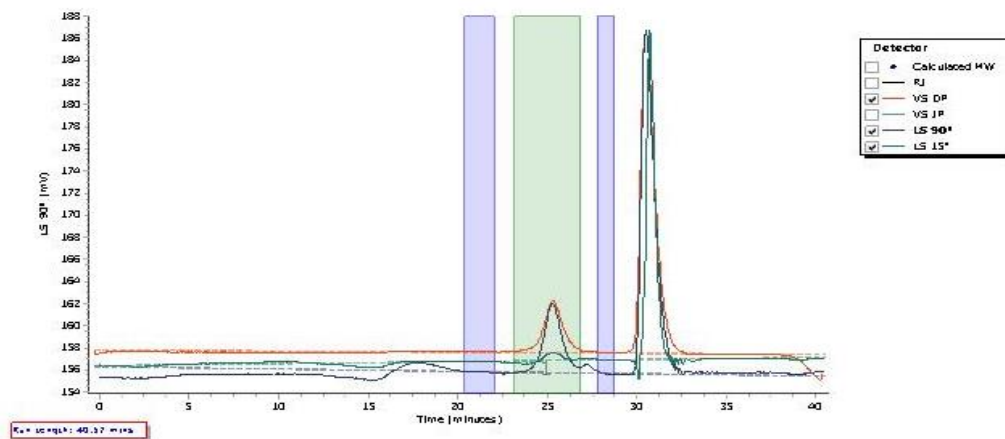
Purification of Polymer: By Soxhlet in Hexane to remove unreacted any residual RAFT

Validation of Architecture:

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

Chromatogram Plot

P44905-MMA-NHS



Molecular Weight Averages

Peak	Mp (g/mol)	Mn (g/mol)	Mw (g/mol)	Mz (g/mol)	Mz+1 (g/mol)	Mv (g/mol)	PD
Peak 1	4552	4217	4793	5576	6659	5291	1.137

B. NMR (HNMR) of polymer:

