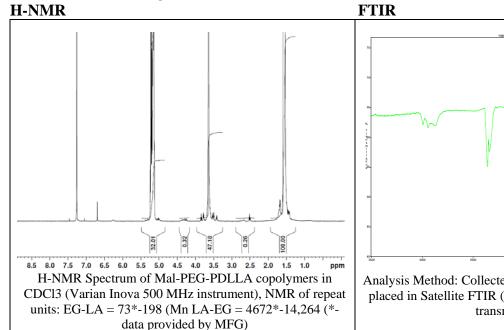
No. AI065

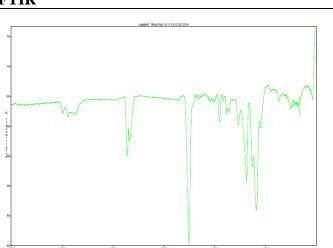
Certificate of Analysis



Product Name: Maleimide-Poly(ethylene glycol)-b-Poly(D,L-lactide) (MW 5,000:16,000 Da)

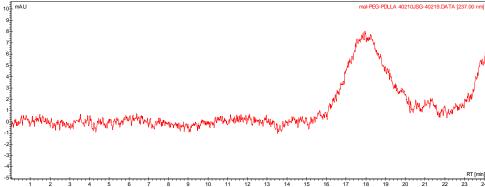
(Lot#: 40210JSG) (Original)





Analysis Method: Collected from cast-film on KBR salt-plate placed in Satellite FTIR (Thermo-Mattson) and analyzed in transmission mode.

GPC analysis of Mal-PEG-PDLLA copolymers



Analysis Method: Varian Prostar system with 1 ml/min DCM flow across two Phenogel 5u columns and one PLgel Resipore column (Agilent). Detection via UV/Vis, calibrated against polystyrene standards

Polymer	Mn (from GPC)	Mw (from GPC)	PDI
Mal-PEG-PDLLA	20,678	34,433	1.67
PEG Precursor	Average Mn (GFC) *4600		

^{*-}data provided by manufacturer

Structure of Mal-PEG-PDLLA copolymers

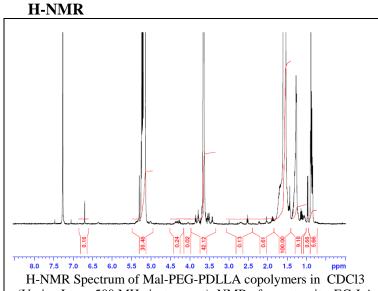
$$\begin{array}{c} O \\ N - (CH_2)_2 - C - NH (CH_2)_2 \\ \hline \\ O \\ CH_3 \end{array} \\ \begin{array}{c} CH_2CH_2O \\ D \\ CH_3 \end{array} \\ \begin{array}{c} CH_3 \\ CH_3 \end{array}$$

Material provided for research use only. Not for human use.

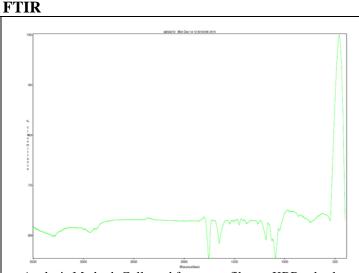
No. AI065 Certificate of Analysis

Product Name: Maleimide-Poly(ethylene glycol)-b-Poly(D,L-lactide) (MW 5,000:16,000 Da)

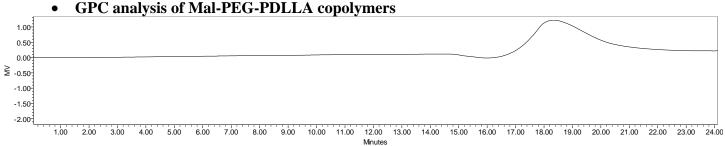
(Lot#: 40210JSG-D) (Repurified)



(Varian Inova 500 MHz instrument), NMR of repeat units: EG-LA = 73*-198 (Mn LA-EG = 4672*-14,264 (*-data provided by MFG)



Analysis Method: Collected from cast-film on KBR salt-plate placed in Satellite FTIR (Thermo-Mattson) and analyzed in transmission mode.



Analysis Method: Waters Breeze 2 system with 1 ml/min DCM flow across three Phenogel 5um columns (Phenomenex). Detection via refractive index, calibrated against polystyrene standards.

Polymer	Mn (from GPC)	Mw (from GPC)	PDI
Mal-PEG-PDLLA	19,190	27,999	1.46
PEG Precursor	Average Mn (GFC) *4600		

^{*-}data provided by manufacturer

Structure of Mal-PEG-PDLLA copolymers

$$\begin{array}{c|c} O & O & O \\ \hline & N - (CH_2)_2 - C - NH (CH_2)_2 \\ \hline & CH_2 CH_2 O - - - CH_2 CH_3 \\ \hline & CH_3 \\ \hline \end{array}$$

Material provided for research use only. Not for human use.