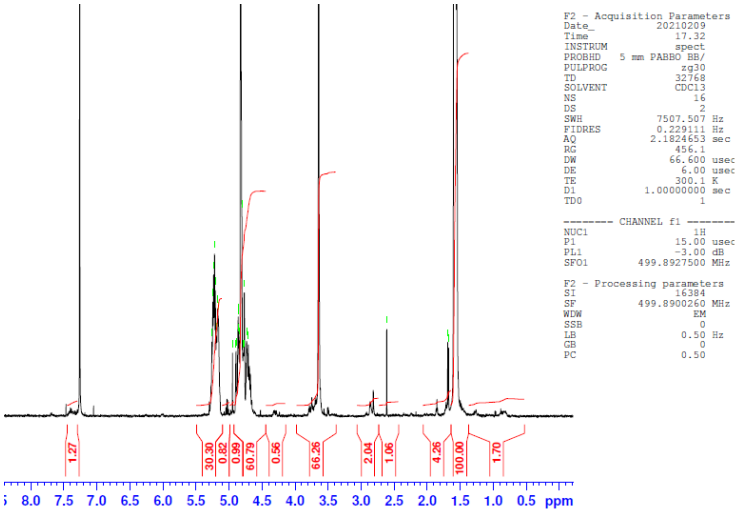
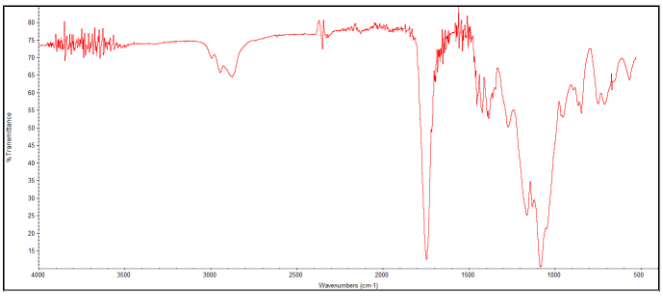
No. AI205 Certificate of Analysis

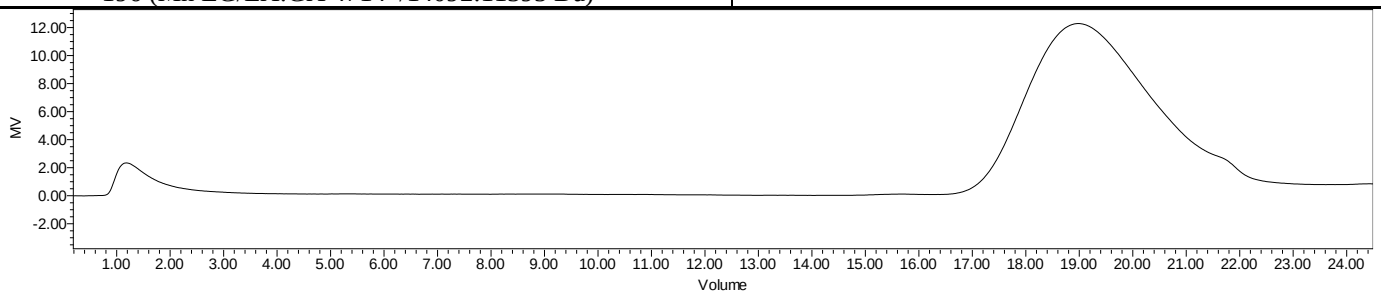
Product Name: Poly(D,L-Lactide-co-glycolide)-b-Poly(ethylene glycol)-Dibenzocyclooctyne (Lot #210203RAI-B)



H-NMR Spectrum of copolymers in CDCl3 (Bruker ≥300 MHz, PINMRF) NMR of PLGA-PEG copolymer: EG/LA-GA =107/196-196 (Mn EG/LA:GA 4714*/14092:11395 Da)



FTIR Analysis: Collected from Nicollet Avatar 380 spectrometer with ATR Smart Orbit and analyzed in transmission mode.

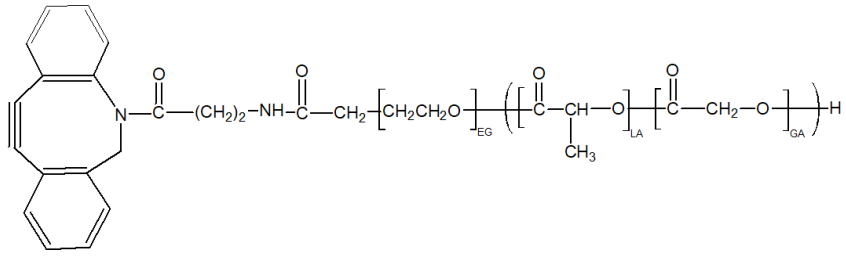


GPC Analysis Method: Waters Breeze 2 system with 1 ml/min THF flow across three GPC columns. Detection via refractive index, calibrated against polystyrene standards.

Polymer	M_n (from GPC)	M_w (from GPC)	PDI
PLGA-PEG-DBCO	40,463	55,537	1.37
PEG-precursor*	4700*		

*- from MFG data

- **Structure of PLGA-PEG-DBCO**



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