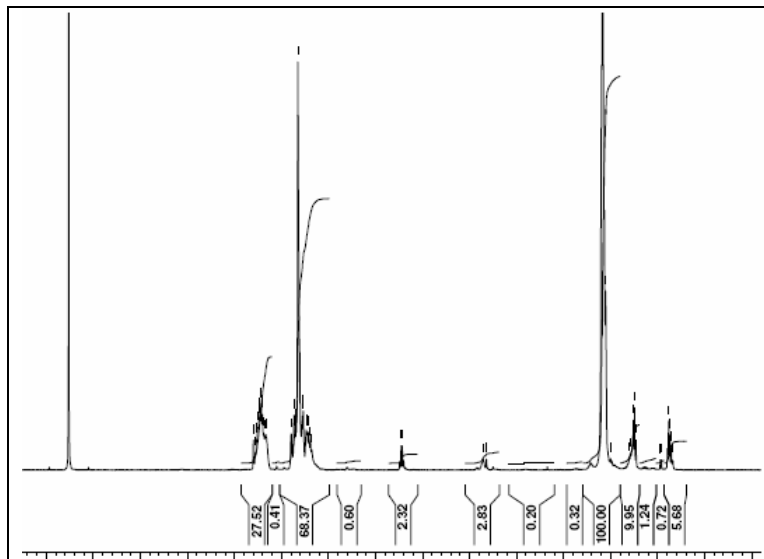


No. AV12 Certificate of Analysis

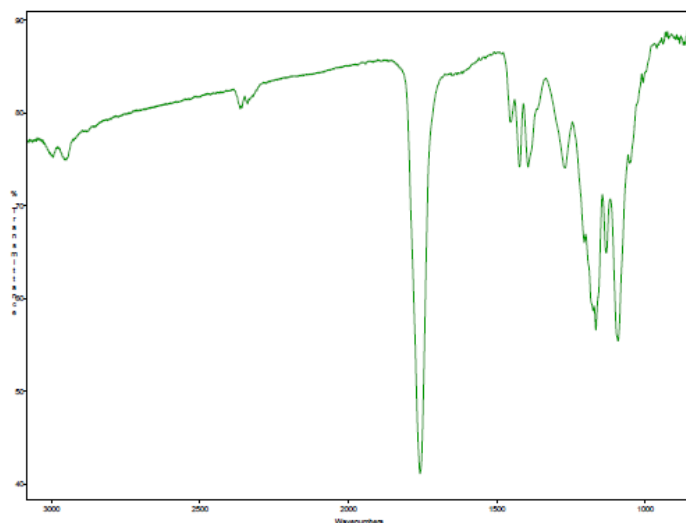
Product Name: Poly(lactic-co-glycolic)-(5-((2-Aminoethyl)amino)naphthalene-1-sulfonic acid)
(1:1 LA:GA, Mn: 10,000-15,000Da) (Lot#: 30507JLB)

H-NMR



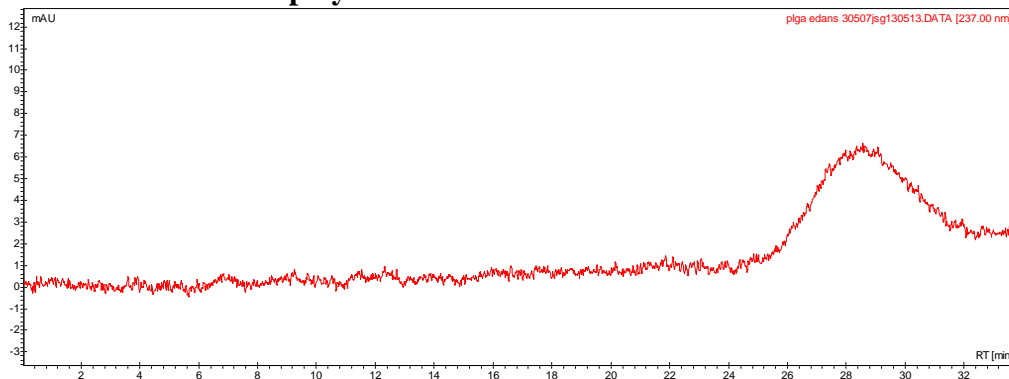
H-NMR Spectrum of PLGA-EDANS copolymers in CDCl₃ (Varian Inova 500 MHz instrument), NMR of PLGA-EDANS copolymers: GA/LA = 50%/50%

FTIR



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

• GPC analysis of PLGA-EDANS 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
PLGA-EDANS	13878	22860	1.65

UV-Vis data: Absorbance 1% w/v sample in DCM against DCM blank at indicated wavelength

209nm - 0.165	225nm - 0.403	230nm - 2.056	240nm - 1.161	250nm - 0.462
270nm - 0.150	280nm - 0.100	325nm - 0.024	335nm - 0.021	350nm - 0.019
400nm - 0.011	500nm - 0.007	600nm - 0.006	700nm - 0.005	900nm - 0.004

• Structure of PLGA-EDANS copolymers

