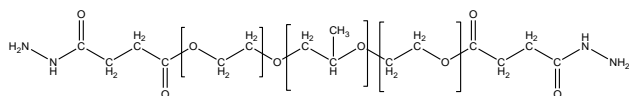


Sample Name: α,ω -Di hydrazide Terminated Poly(ethylene oxide-b- propylene oxide -b-ethylene oxide)
Or α,ω - Di hydrazide terminated –F127 Pluronic

Sample #: P41354-EOPOEO-2NHNH2

Structure:



Composition:

Mn x 10 ³	PDI
4.6-b-3.3-b-4.6	1.09
Dp of each block	105-b-57-b-105

Synthesis Procedure:

Commercial polymer F-127 Pluronic

Mn: 12,600

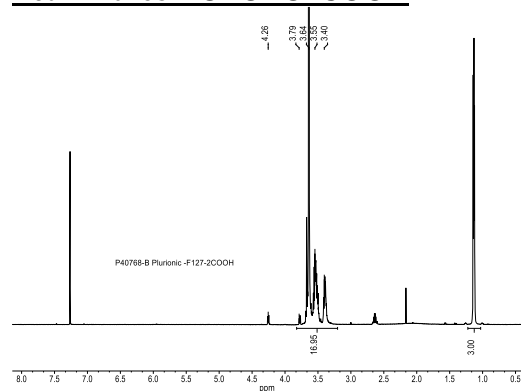
Characterization:

The molecular weight and polydispersity index (PDI) of the polymer are obtained by size exclusion chromatography (SEC), ¹HNMR, and FTIR analysis.

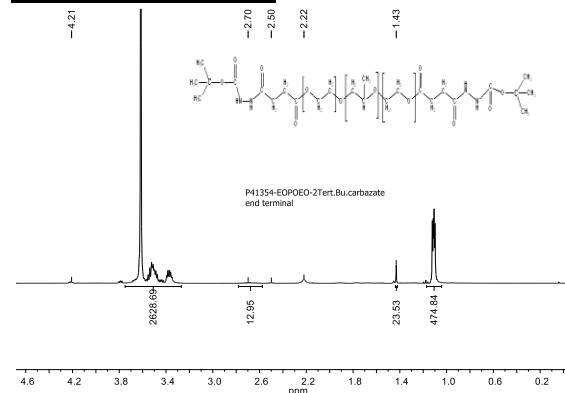
Solubility:

Polymer is soluble in THF, CHCl₃, and toluene.

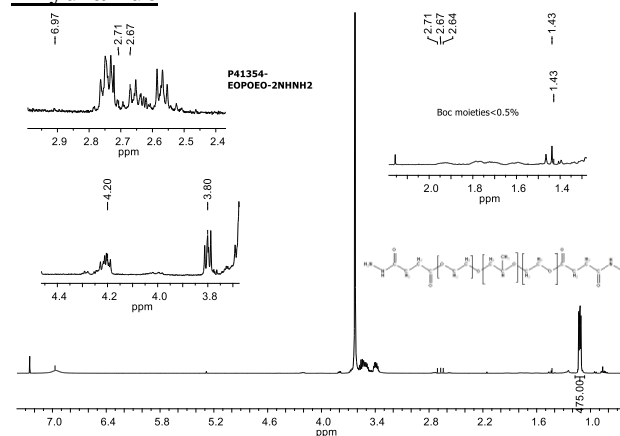
HNMR spectrum of EOPOEO F-127-2COOH
Lot# P40768-EOPOEO2COOH



HNMR spectrum of polymer EOPOEO-2tert.butylcarbazate:



HNMR spectrum of polymer EOPOEO-2Hydrazide



SEC elugram of Sample Lot# P40768 used:
P40768-Pluronic-F127

