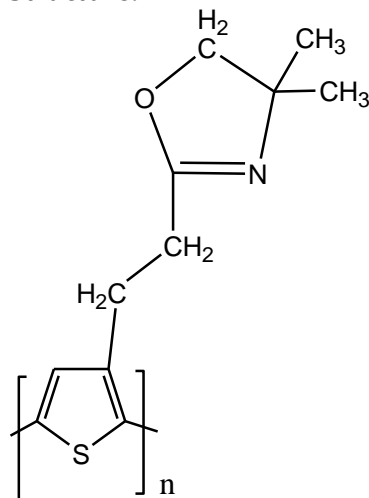


Sample Name:

2,5-poly(3-(2-(4,5-dihydro-4,4 dimethyl-2-Oxazolyl)ethyl)thiophene

Sample #: P18091-Th-3-OXZ

Structure:



Composition:

Mw x 10 ³	PDI	HT
11	1.9	HT (head to tail)

Purification of polymer:

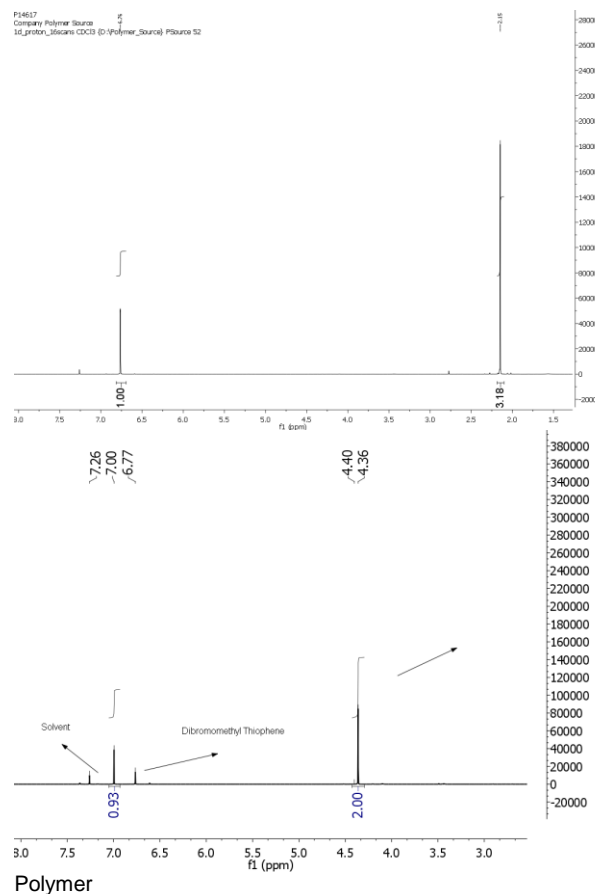
The crude polymer was recovered from reprecipitation from CHCl₃ and dried under vacuum.

Characterization: The molecular weight and polydispersity index (PDI) are obtained by size exclusion chromatography (SEC) in THF. The NMR spectrum was recorded in deuterated chloroform for the monomer and the final polymer in acid form was recorded in DMF.

Solubility:

Polymer is soluble in CHCl₃, THF

NMR of Monomer and polymer :



SEC profile of polymers: in the form of Poly 3,5 thiophene 3-ethy 4,5 dihydro 4,4 dimethyloxazole: before hydrolysis:

