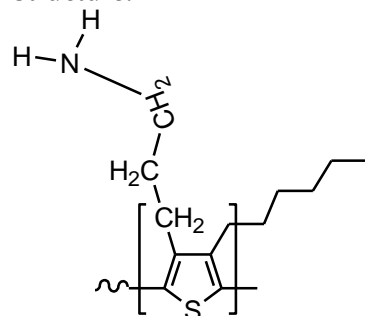


Sample Name: Poly(3-Hexylthiophene-2-propyl amine)

Sample #: P20170-3-HT-2PrA

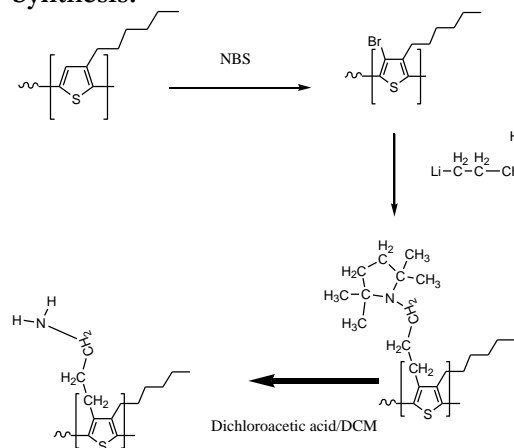
Structure:



Composition:

Mw x 10 ³	PDI	HT
10.5	1.25	HT (head to tail)

Synthesis:



Purification of polymer:

Finally polymer was dissolved only in H₂SO₄, and precipitates in water, the obtained powder was dried under vacuum for 2 days at 40°C. .

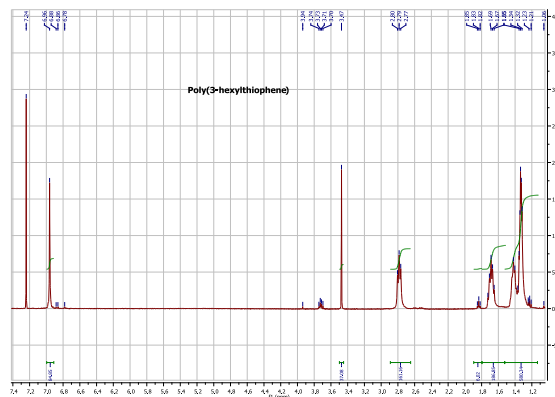
Characterization:

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.

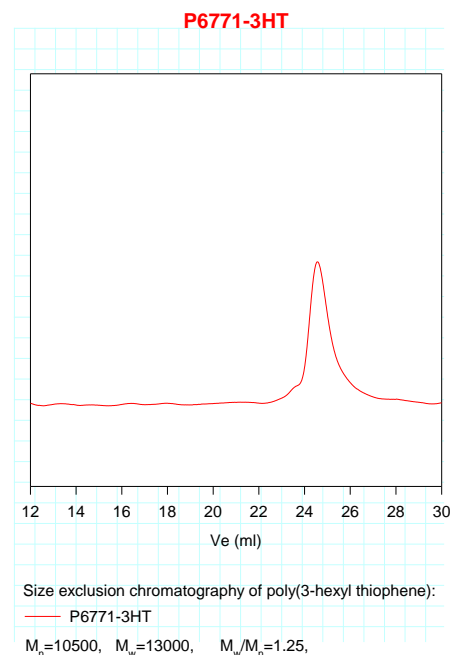
Solubility:

Polymer is soluble in H₂SO₄.

H NMR of polymer: used in the synthesis



SEC of Homopolymer: Polymer 3 HT used in the synthesis



H NMR of Poly 2 Bromo 3 hexyl thiophene:

