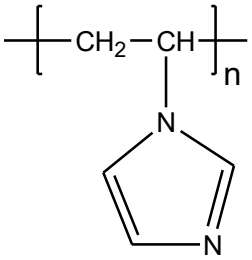
Sample Name: **Poly(N-vinyl imidazole)**

Sample#: **P45290-VIMDZ**

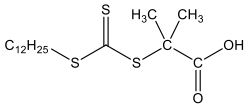
Structure:



Composition:

Mn × 10^3	PDI
83.5	2.27

Synthesis Procedure:
Polymer is obtained by RAFT polymerization.



Chemical Formula: $C_{17}H_{32}O_2S_3$
Molecular Weight: 364.6

Characterization:
The molecular weight and polydispersity index (PDI) of polymer is obtained by size exclusion chromatography in aqueous system (water as eluent with 0.1% trifluroacetic acid and 0.2M NaCl). The columns were calibrated with polyethylene glycol.

Thermal analysis
Thermal analysis of the samples was carried out on a TA Q100 differential scanning calorimeter at a heating rate of 10ºC/min. The midpoint of the slope change of the heat flow plot of the second heating scan was considered as the glass transition temperature (T_g).

Solubility:
Polymer is soluble in water, methanol and precipitated out from hexane, ether.

SEC elugram of Homopolymer:

