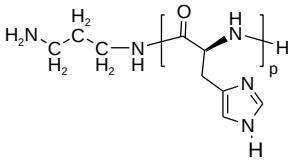
Sample Name: **α,ω-Diamino terminated Poly L-Histidine**

Sample#: **P40853A-His2NH2**

Structure:

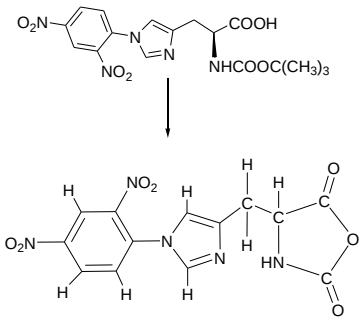


Composition:

Mn x 10^3	PDI
1.6 (by HNMR)	< 1.3 By GPC

Synthesis:

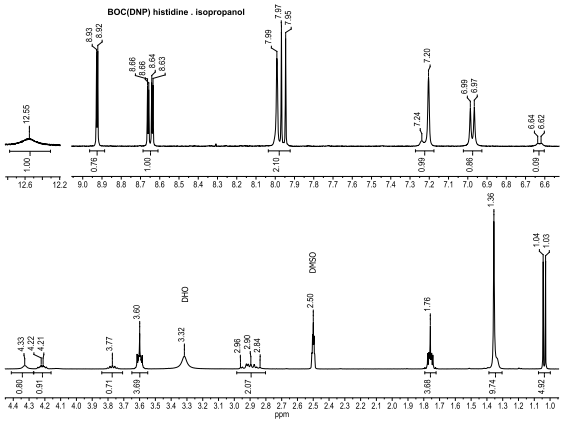
Dinitro Phenyl histidine N-carboxy anhydride (NCA (DNP) Histidine) was prepared from BOC (DNP) Histidine isopropanol presented as below scheme:



Solublity:

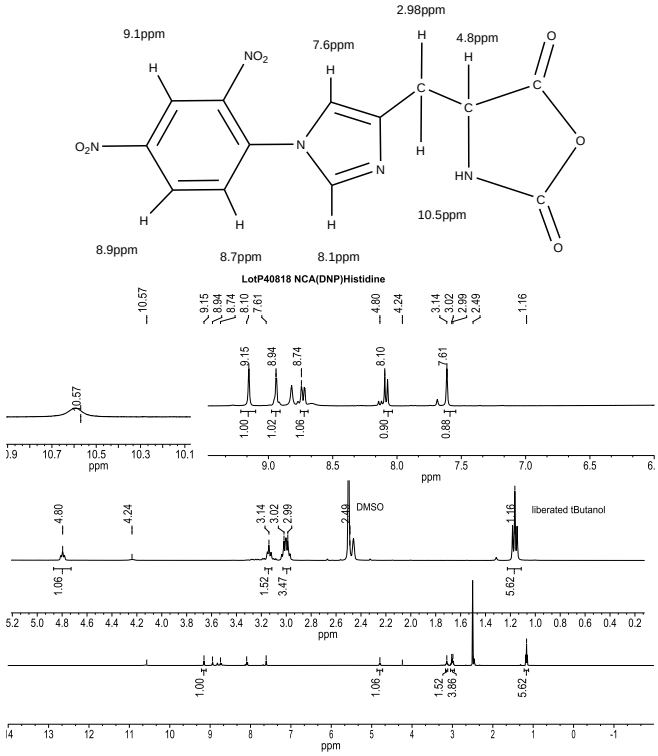
The polymer is soluble in wqater.

^{1}HNMR spectrum of BOC-(DNP) Histidine. Isopropanol run in dMSO d6;

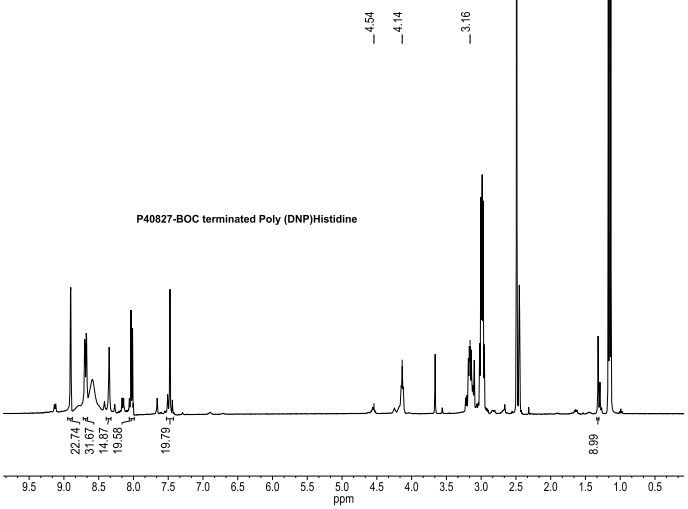
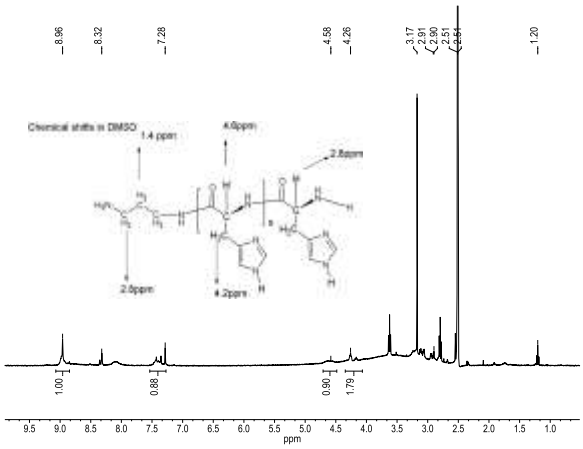


^{1}HNMR of NCA (DNP) Histidine run in dMSO d6:

Chemical Shifts in d6 dMSO



^{1}HNMR spectrum of BOC-amino end funtctionalized Poly histidine:



^{1}HNMR spectrum of Poly Histidine-2NH2: