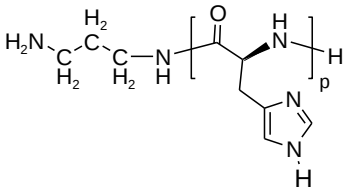
Sample Name: **α,ω-Diamino terminated Poly L-Histidine**

Sample#: **P40866A-His2NH2**

Structure:

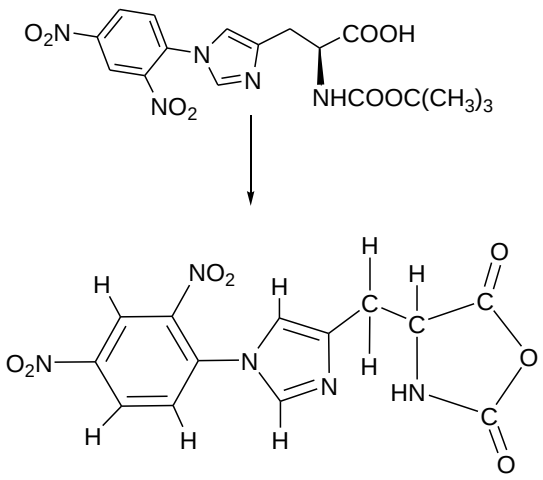


Composition:

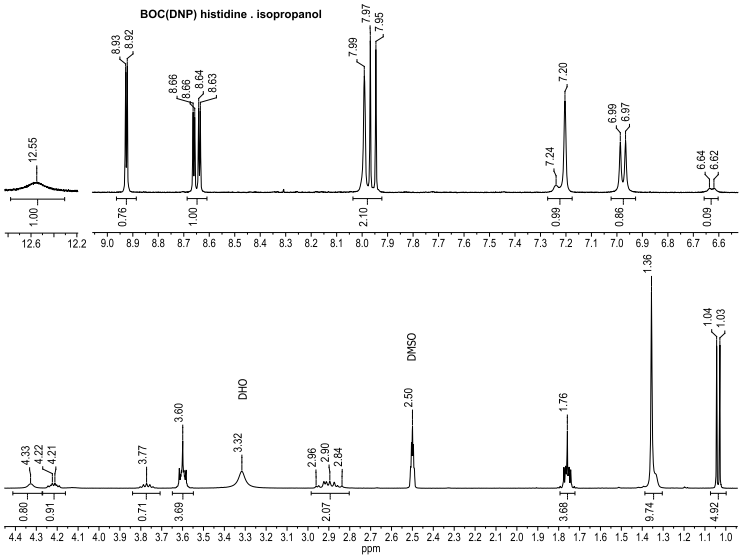
Mn x 10^3	PDI
4.0(by HNMR)	< 1.3 By GPC

Synthesis:

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

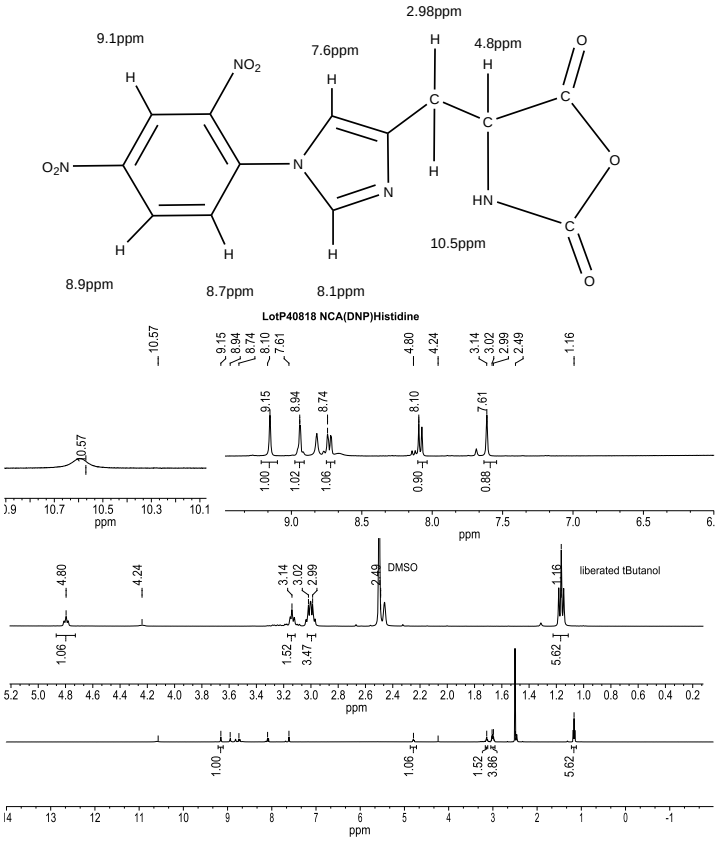


^{1}HNMR spectrum of BOC-(DNP) Histidine. Isopropanol run in dMSO d6;

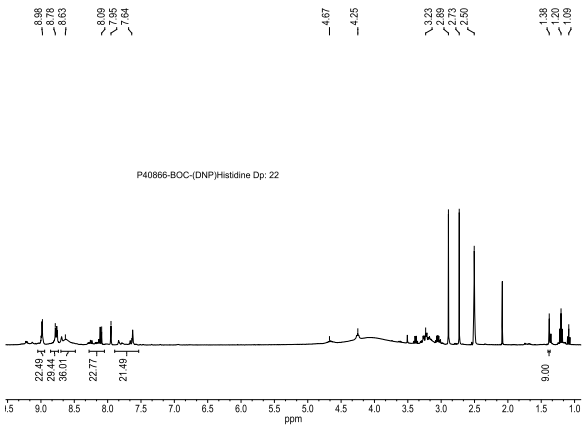


^{1}HNMR of NCA (DNP) Histidine run in dMSO d6;

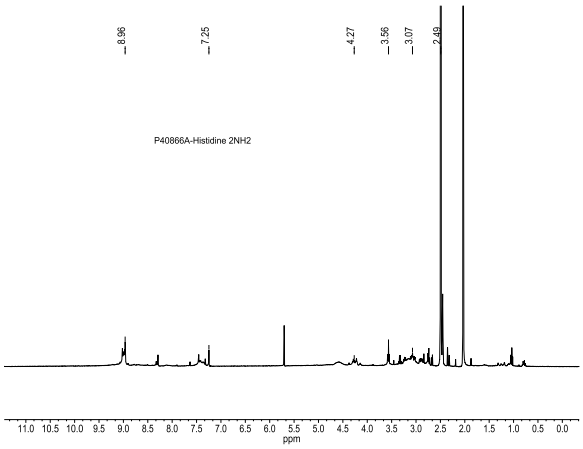
Chemical Shifts in d6 dMSO



[1]HNMR spectrum of BOC-(DNP) amino end funtctionalized Poly histidine:



[1]HNMR spectrum of Poly Histidine-2NH2:



Chemical shifts in DMSO: