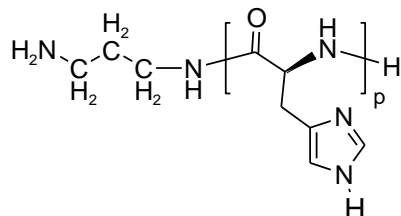


Sample name: α,ω -Diamino terminated Poly L-Histidine

Sample#: P40870A-His2NH2

Structure:

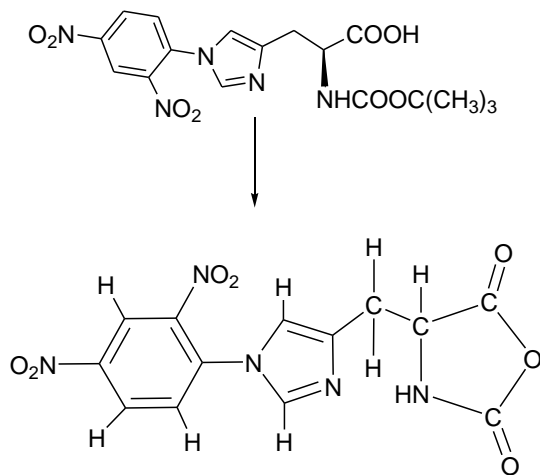


Composition:

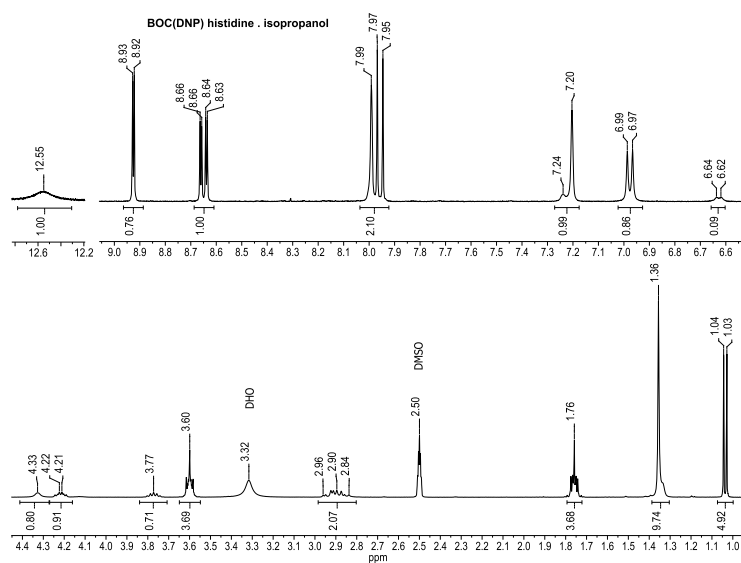
Mn x 10 ³	PDI
7.5(by HNMR)	< 1.3 By GPC

Synthesis:

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

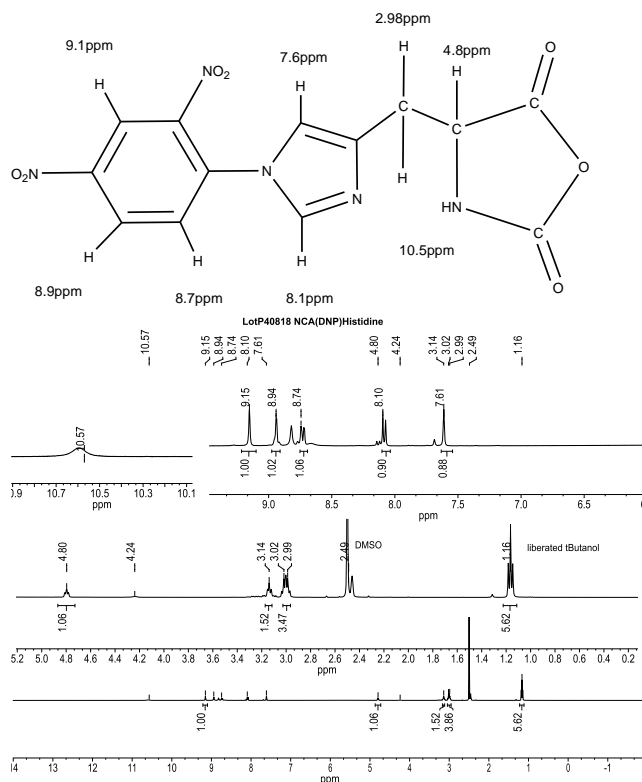


¹HNMR spectrum of BOC(DNP) Histidine. Isopropanol run in dMSO d6:

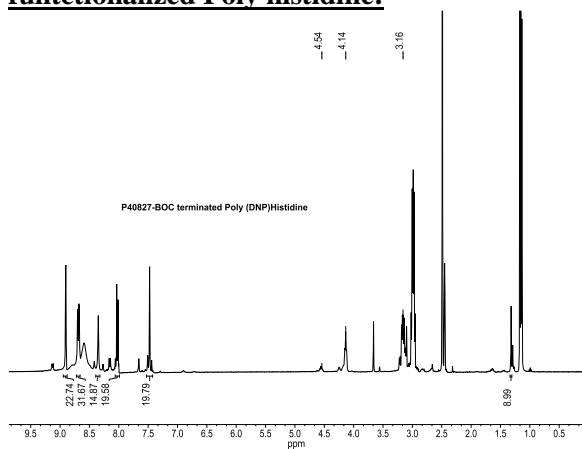


HNMR of NCA (DNP) Histidine run in dMSO d6:

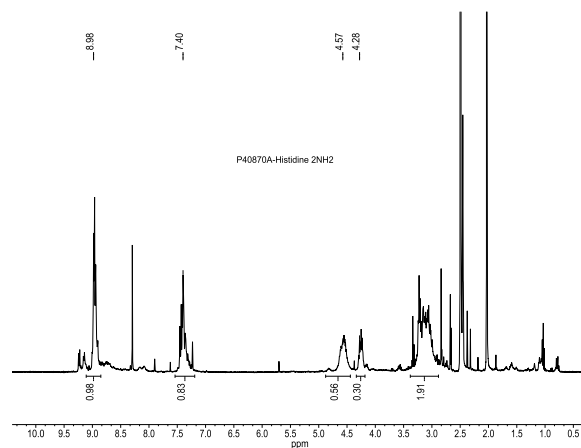
Chemical Shifts in d6 dMSO



¹HNMR spectrum of BOC-(DNP) amino end functionalized Poly histidine:



¹HNMR spectrum of Poly Histidine-2NH2:



Chemical shifts in DMSO:

