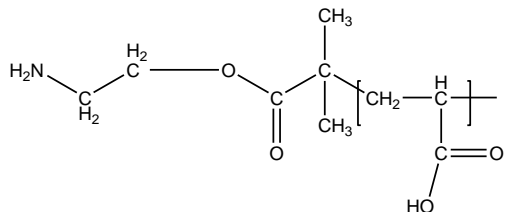


Sample Name: Amino Terminated Poly acrylic acid

Sample #: P41881-AANH2

**Structure:**

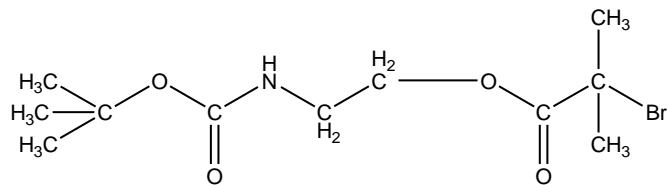


**Composition:**

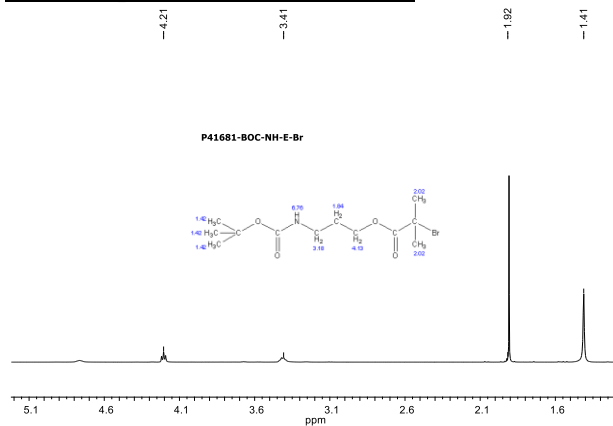
Mn x 10 <sup>3</sup>	PDI
5.0	1.4

**Synthesis Procedure:**

The polymer was synthesized by ATRP polymerization process using following catalyst:



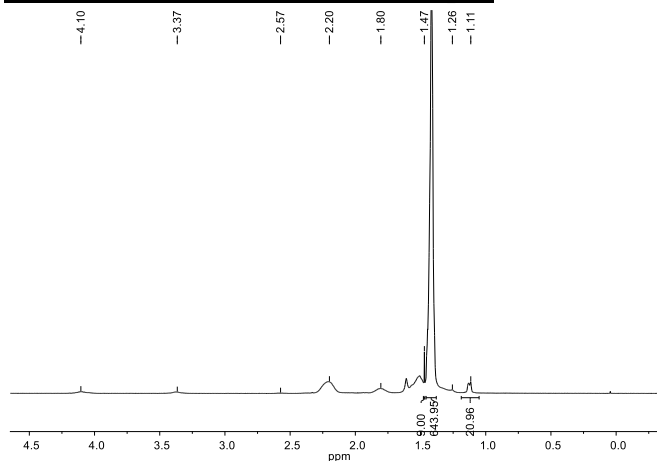
**HNMR spectrum of the catalyst:**



**Characterization:**

The product was characterized by size exclusion chromatography (SEC) and <sup>1</sup>H NMR.

**H NMR of the BOC-NH-tBuA Sample:**

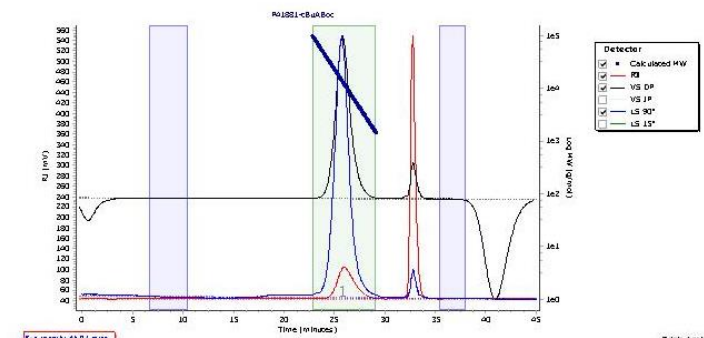


**SEC elugram of tert.butyl ester form of the Sample:**

Agilent GPC/SEC Software

P41881-tBuABoc

Chromatogram Plot



Molecular Weight Averages

Peak	Mp (g/mol)	Mn (g/mol)	Mw (g/mol)	Mz (g/mol)	Mz+1 (g/mol)	Mv (g/mol)	PD
Peak 1	12246	8417	11890	15864	20902	15277	1.413

after Hydrolysis of ester, Mn: 5000