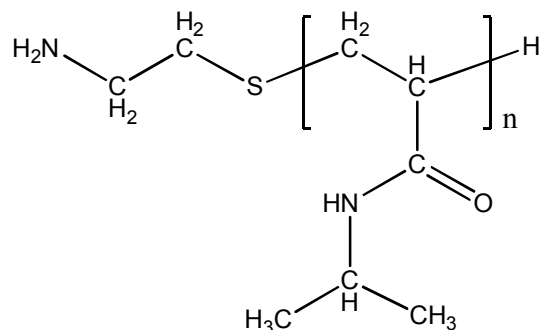


Sample Name:

**Amino-terminated poly(N-isopropyl acrylamide)**

Sample #: **P19834F7-NIPAMNH2**

Structure:

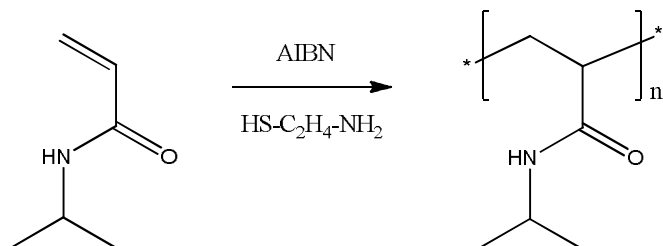


Composition:

$M_n \times 10^3$ (g/mol)	$M_w/M_n$
52.0	1.7

Synthesis procedure:

Amino-terminated poly(N-isopropyl acrylamide) was prepared by free-radical polymerization of N-isopropyl acrylamide in presence of an amino-group containing chain-transfer agent (Scheme of the reaction is shown below). The product was purified by solvent fractionation.



Characterization:

The molecular weight and polydispersity index ( $M_w/M_n$ ) were obtained by size exclusion chromatography (SEC) in DMF. SEC analysis was performed on a Viscotek liquid chromatograph equipped with a triple detector array.

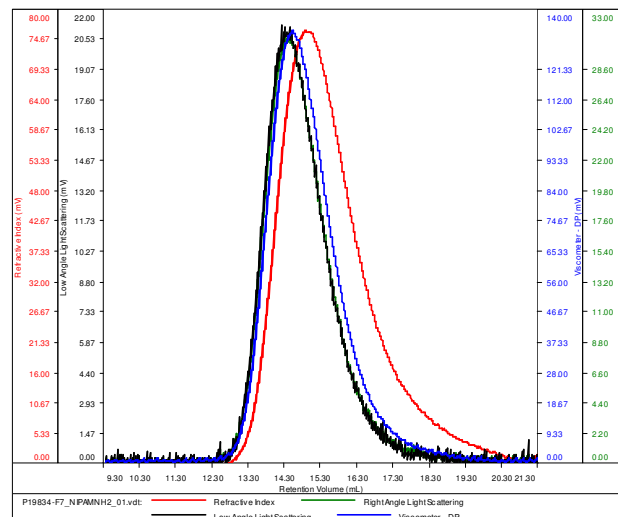
Solubility:

The polymer is soluble in water, THF, chloroform, DCM, DMF; and is insoluble in hexanes, ether.

**SEC elugram of the polymer:**

P19834-F7\_NIPAMNH2

Conc (mg/mL)	9.4590
dn/dc (mL/g)	0.0770
Method	ps80k-May2016-0002.vcm
Solvent	DMF w 0.023M LiBr
Column	PSS



Sample	$M_n$	$M_w$	$M_p$	$M_w/M_n$	IV
P19834-F7_NIPAMNH2_01.vcl	52,080	86,876	95,629	1.668	0.3252