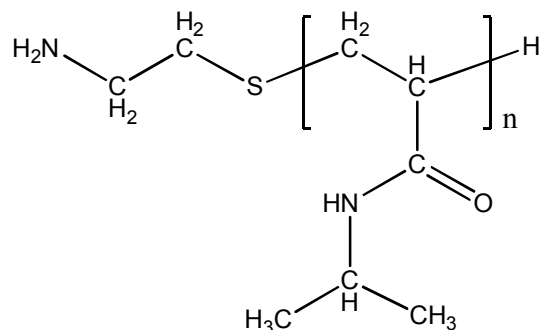


Sample Name:

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

Sample #: **P19834F6-NIPAMNH2**

**Structure:**

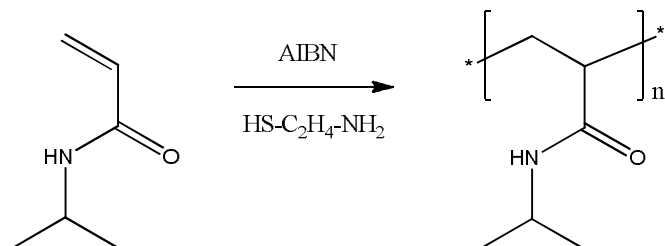


**Composition:**

$M_n \times 10^3$ (g/mol)	$M_w/M_n$
27.5	1.5

**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.

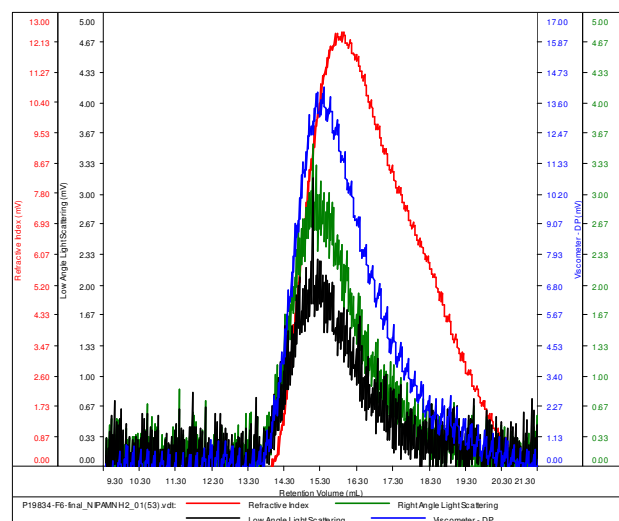
**Solubility:**

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

**SEC elugram of the polymer:**

**P19834-F6\_NIPAMNH2**

Conc (mg/mL)	1.9789
dn/dc (mL/g)	0.0770
Method	ps80k-May2016-0002.vcm
Solvent	DMF w 0.023M LiBr
Column	PSS



Sample	Mn	Mw	Mp	Mw/Mn	IV
P19834-F6-final_NIPAMNH2_01(53).vcl	27,575	41,720	36,716	1.513	0.1859