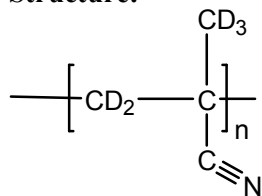


Sample Name:
Deuterated-d5 Poly (methacrylonitrile)

Sample #: **P16140-d5PMACN**

Structure:



Composition:

$M_n \times 10^3$	PDI
645.0	1.45

Synthesis Procedure:

Deuterated-d5 Poly (methacrylonitrile) was prepared by controlled radical polymerization.

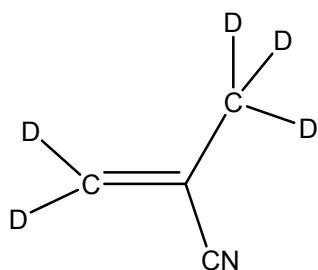
Characterization:

The product was characterized by size exclusion chromatography (SEC) in DMF and DNMR.

Solubility:

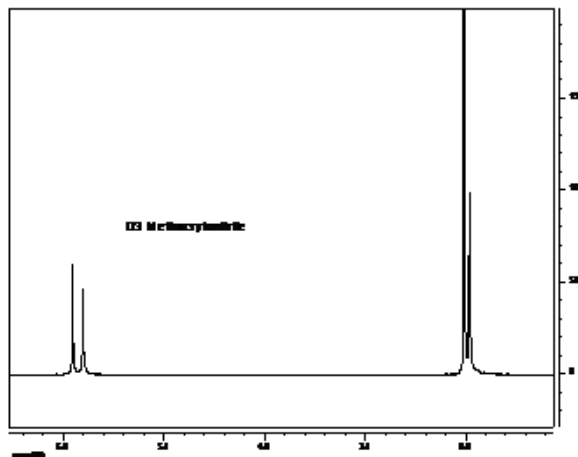
Polymer is soluble in DMF.

Structure of the d5 MACN monomer:



Composition: purity $\geq 98\%$ (from NMR)
Chemical purity $> 99\%$

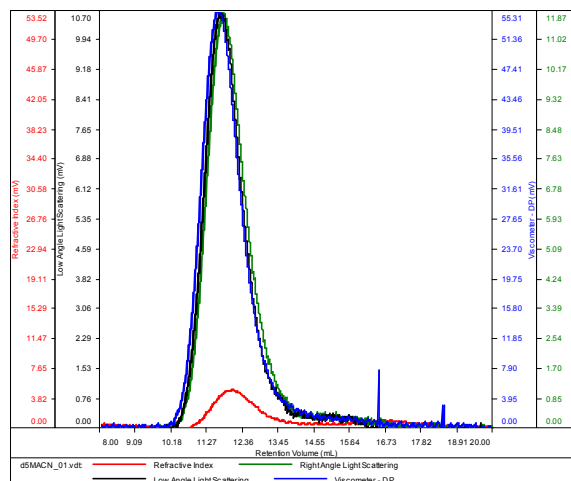
DNMR of the product:



SEC of Homopolymer:

P16140d5MACN

Conc (mg/mL)	0.4270
dn/dc (mL/g)	0.0650
Method	PS80k-October192016-0000.vcm
Solvent	DMF w 0.023M LiBr
Column	PSS



Sample	Mn	Mw	Mp	Mw/Mn	IV
d5MACN_01.vdt	644,909	934,270	1.011 e 6	1.449	2.4316