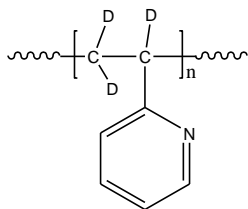


Sample Name:Deuterated (d3) Poly (2-vinyl pyridine)
(Ethyl groups are deuterated)

Sample #: P41178-d3P2VP

Structure:



Composition:

Mn x 10 ³	PDI
9.0	1.10

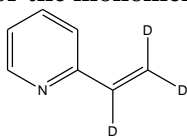
Synthesis Procedure:

The polymer was prepared by anionic polymerization process.

Characterization:

The product was characterized by size exclusion chromatography (SEC) and NMR spectroscopy.

Structure: For the monomer used



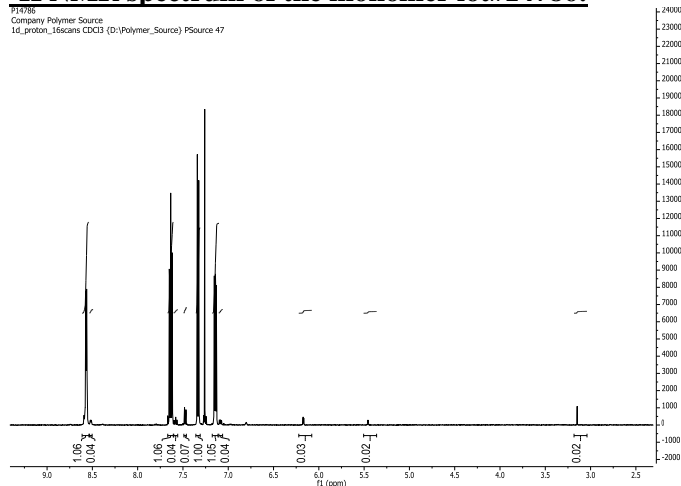
C₇H₄D₃N
Mol. Wt.: 108.16

2-vinylpyridine-d3 (P14786)

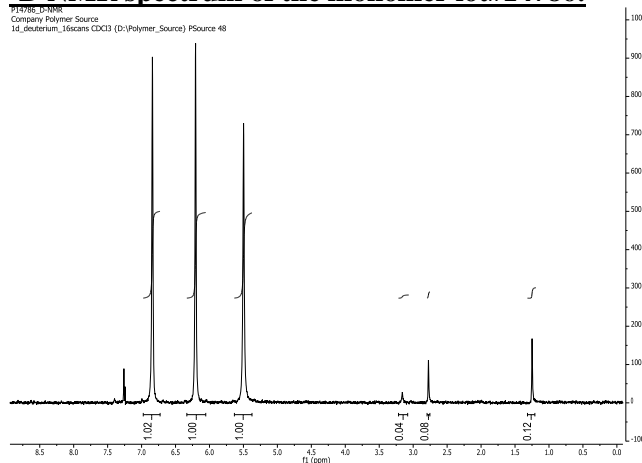
Characterization:

CAS	352530-46-2
D atom purity	98 %
Chemical Purity	90 %
2-Ethynylpyridine (impurity)	6 %
2-Ethylpyridine-d5 (impurity)	4%

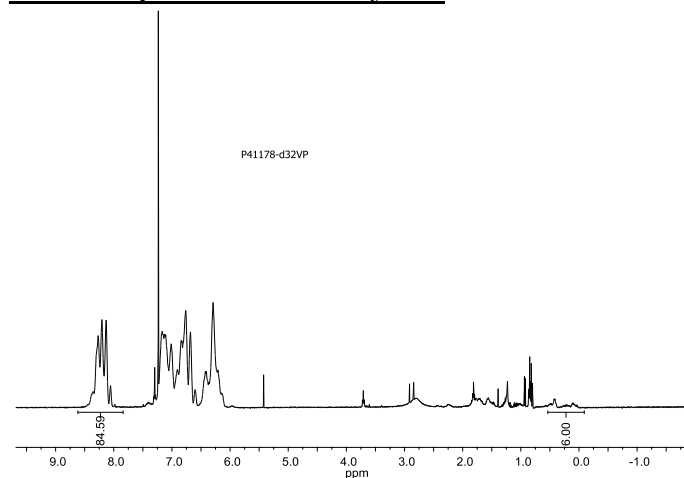
¹H NMR spectrum of the monomer lot#14786:



²D NMR spectrum of the monomer lot#14786:



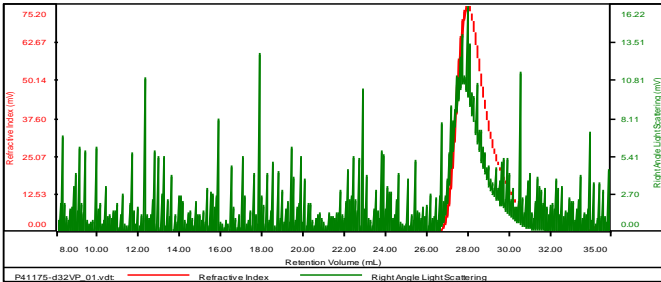
¹H NMR spectrum of the Polymer:



SEC elugram of the polymer:

P41178-d3-21VP

Concentration (mg/mL)	1.7154
Sample dn/dc (mL/g)	0.1850
Method File	PS99K-May-2018-0000.vcm
Column Set	3x PL 1113-6300
Solvent	THF



Sample	Mn (Da)	Mw (Da)	Mw/Mn	IV (dL/g)	Mp (Da)
P41175-d32VP_01.	8,879	9,783	1.102	1.0000	9,095