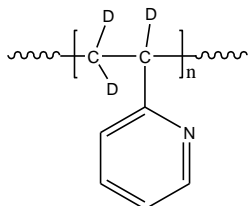


Sample Name:

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

Sample #: P41169-d3P2VP

Structure:



Composition:

Mn x 10 ³	PDI
4.2	1.14

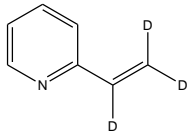
Synthesis Procedure:

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



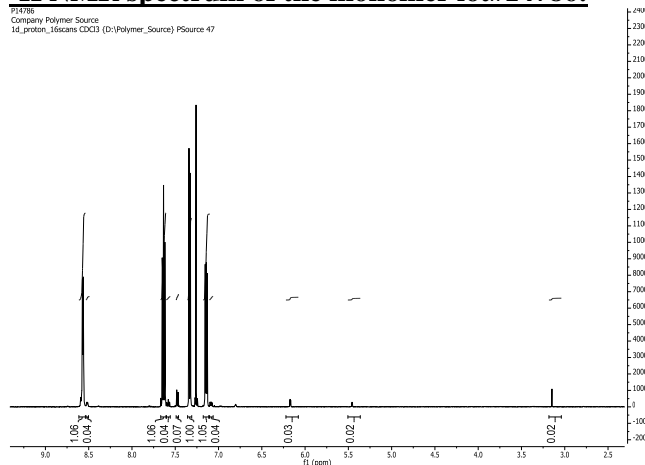
C₇H₄D₃N
Mol. Wt.: 108.16

2-vinylpyridine-d3 (P14786)

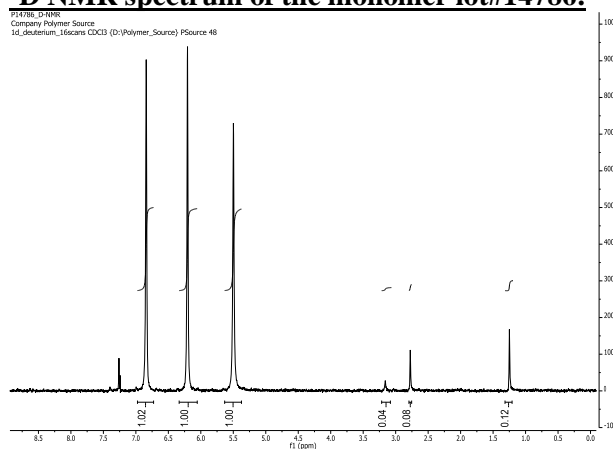
Characterization:

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

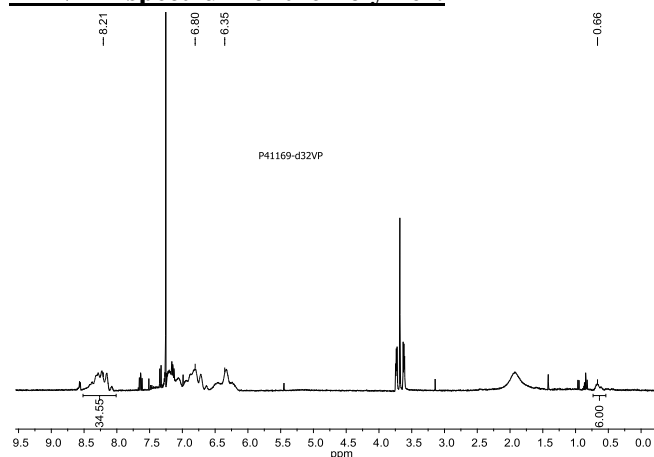
¹H NMR spectrum of the monomer lot#14786:



²D NMR spectrum of the monomer lot#14786:



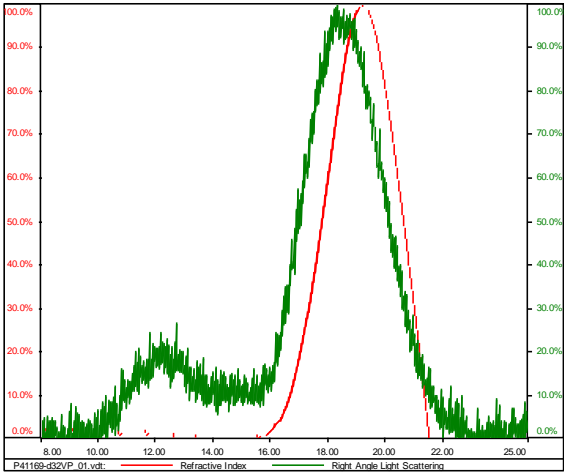
¹H NMR spectrum of the Polymer:



SEC elugram of the polymer:

P41169-d32VP

Conc	2.2427
dn/dc	0.1650
Solvent	DMF w 0.023M LiBr
Flow Rate	0.7000
Method	PS99k_2018-05-30-0000.vcm



Sample	Mn	Mw	Mp	Mw/Mn	IV
P41169-d32VP_01.vdt	4,200	4,792	3,995	1.141	0.1203