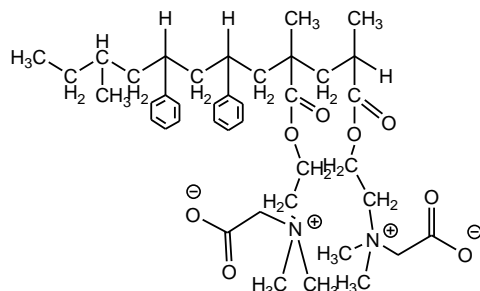


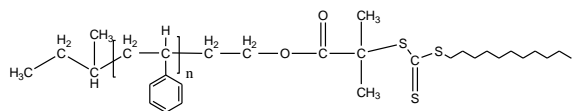
Dialyzed form

Structure:



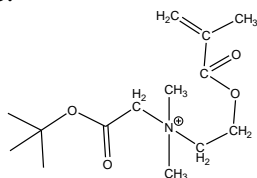
Mn x 10 ³ S-b-DMAEMAZ	Mw/Mn (PDI)
11.5-b-22.0	1.14
T _g for PS block: 80°C	T _g for DMAEMA block: Not distinct
DP of each Block 110-b-21	

The polymer was synthesized by RAFT polymerization process using PS-RAFT macroinitiator (lot#P41656).



Sample #: Zwitter ionic -1 Lot#: P41655

Structure:



2-(*tert*-butoxy)-*N*-(2-(methacryloyloxyethyl)-*N,N*-dimethyl-2-oxoethanaminium
Chemical Formula: C₁₄H₂₆NO₄⁺
Exact Mass: 272.19
Molecular Weight: 272.36

Composition: purity $\geq 97\%$ (from NMR)

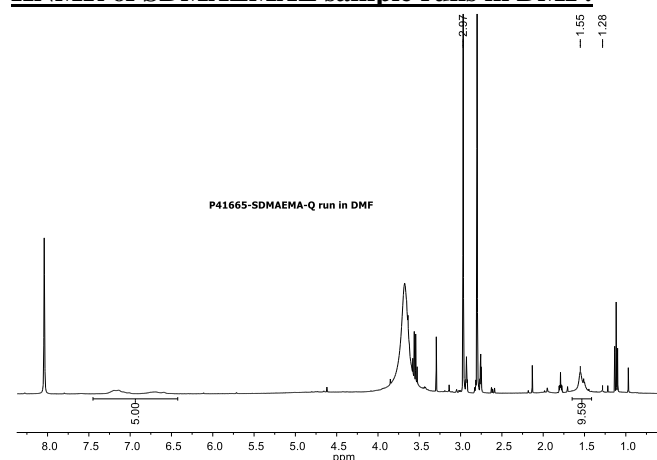
P41655-Zwitter ionic -1

Chemical structure of P41655-Zwitter ionic -1 is shown above the spectrum. The structure is a poly(2-vinylpyridine) derivative with a side chain containing a quaternary ammonium group and a zwitterionic sulfonate group.

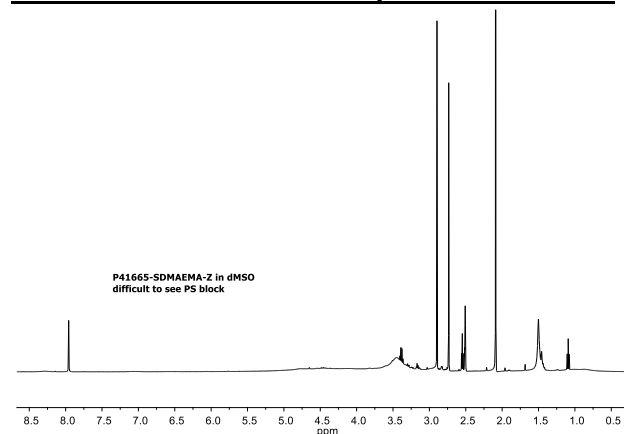
¹H NMR spectrum (DMSO-d₆) showing peaks at approximately 7.2, 6.5, 3.8, 3.2, 2.8, 2.2, and 1.8 ppm. Integration values are provided below the peaks: 1.00, 1.04, 4.44, 2.18, 8.15, 3.38, and 10.27.

The product was characterized by size exclusion chromatography (SEC) and ^1H NMR.

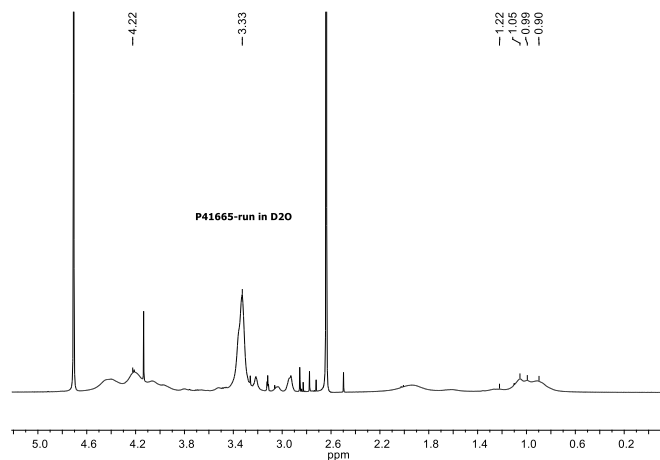
HNMR of SDMAEMAZ sample runs in DMF:



HNMR of SDMAEMAZ sample runs in DMSO:



HNMR of the sample runs in D2O:



HNMR of the sample after Lyophilization from water:

