

Figures

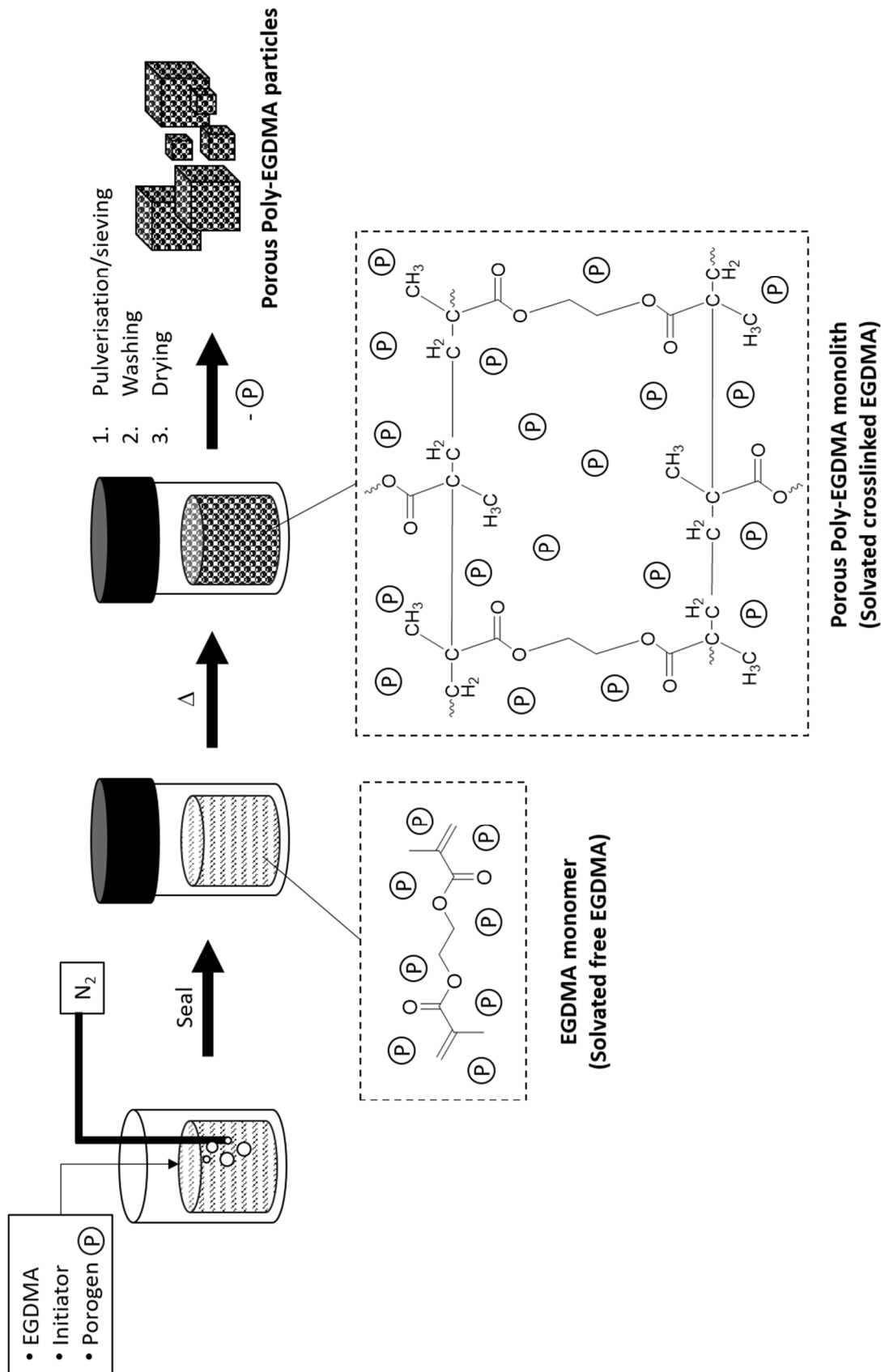


FIG. 1

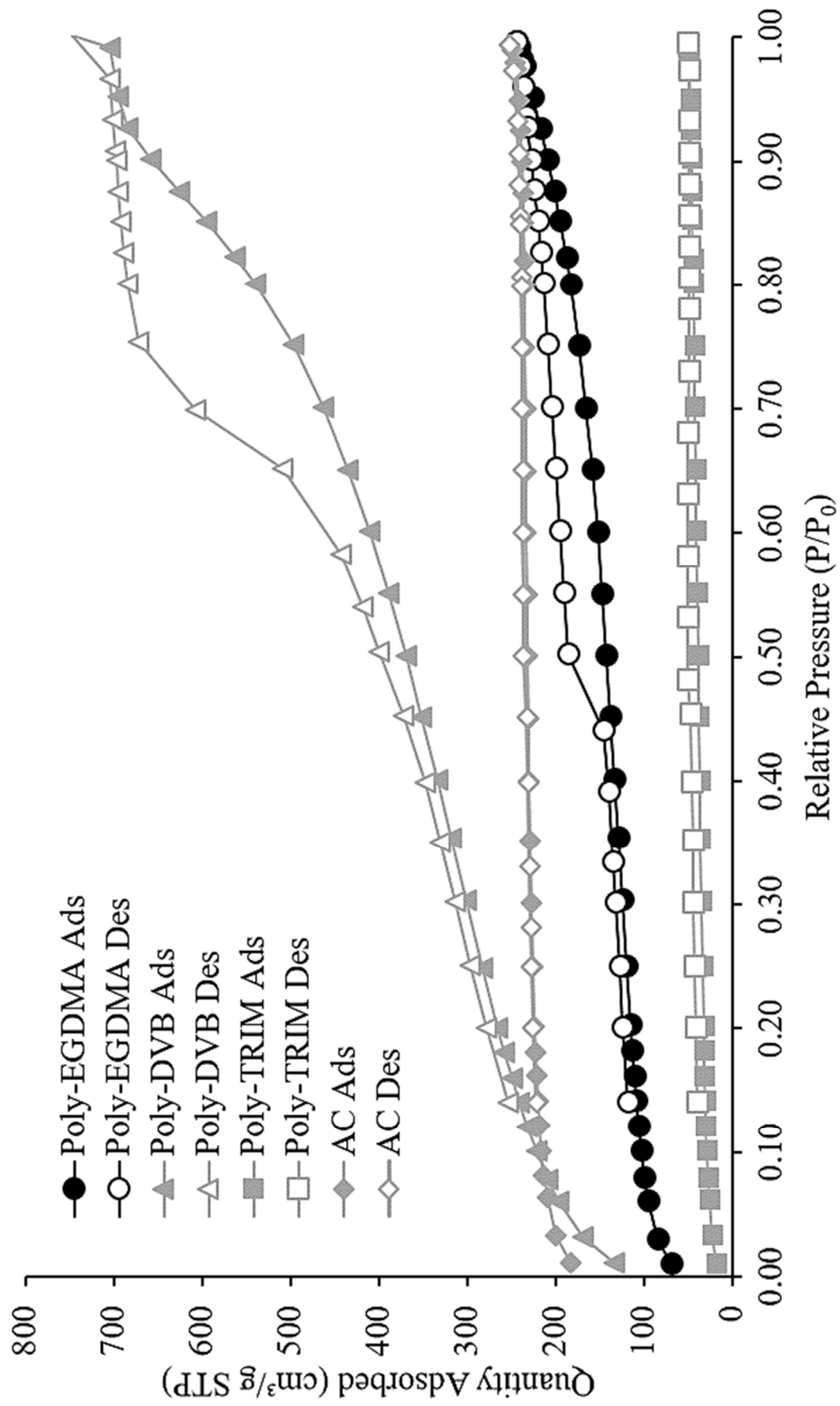
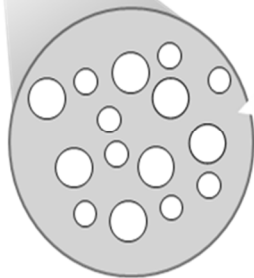
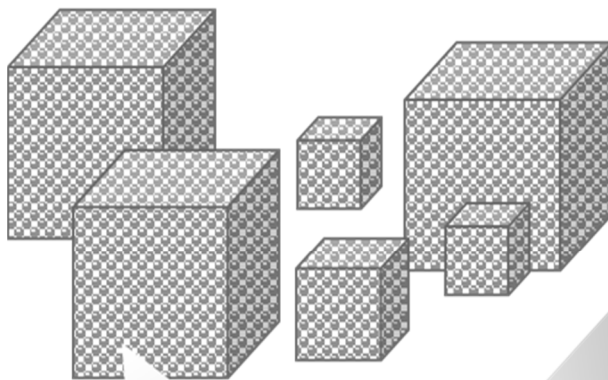
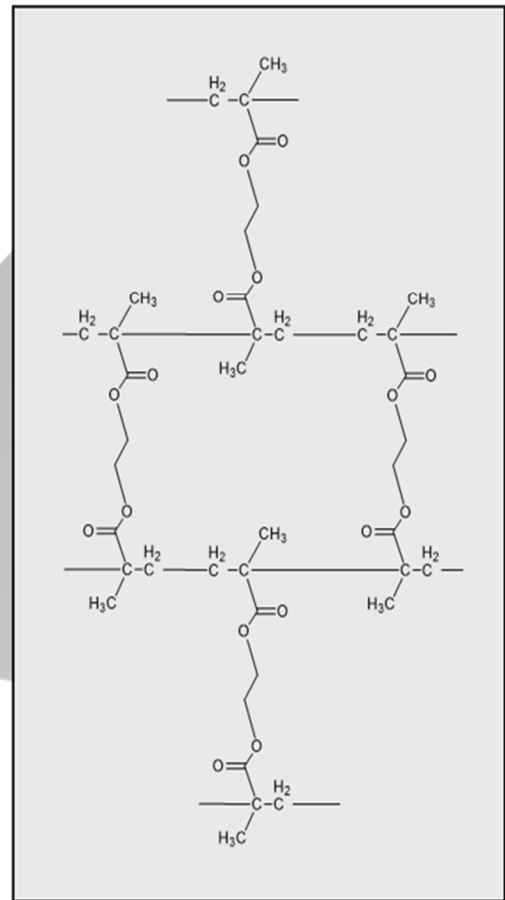


FIG. 2

Porous Poly-EGMDA Particles



Macropores >50nm
 Mesopores 2-50nm
 Micropores <2nm



Poly-EGDMA

FIG. 3

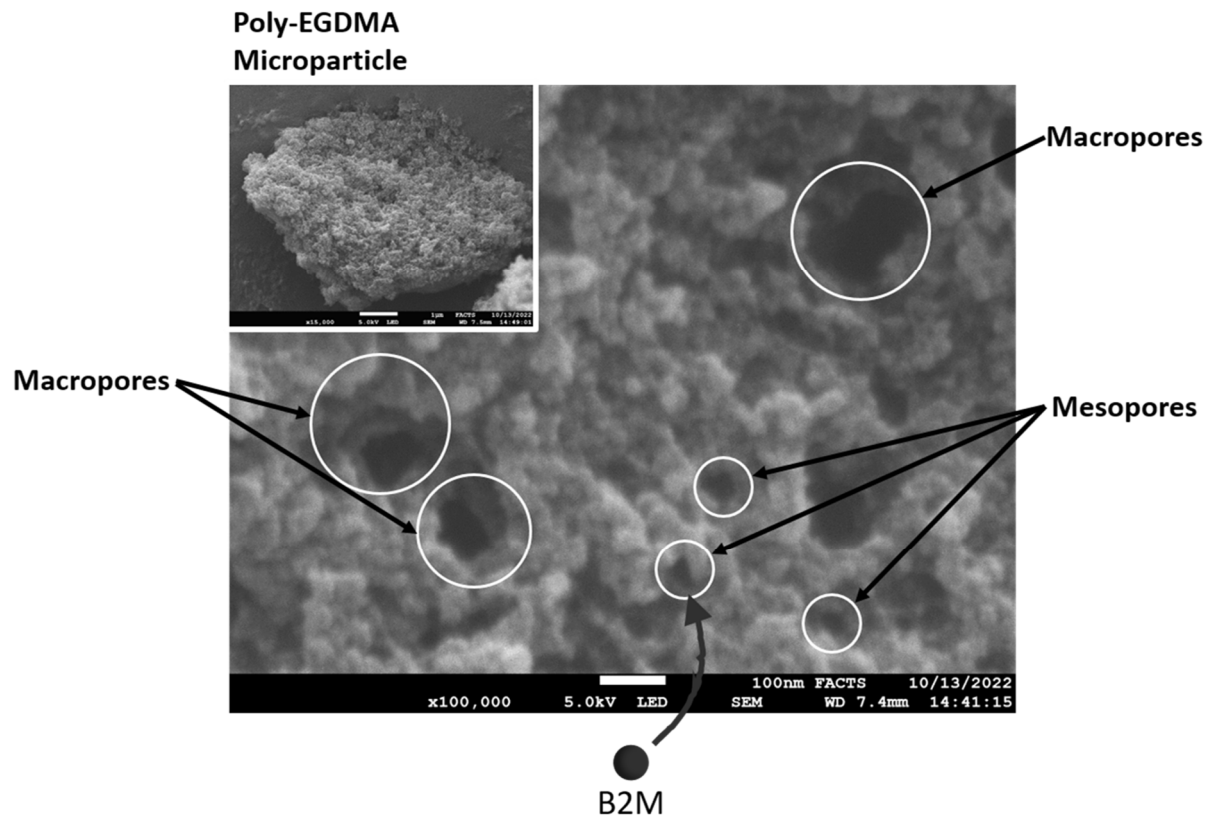


FIG. 4

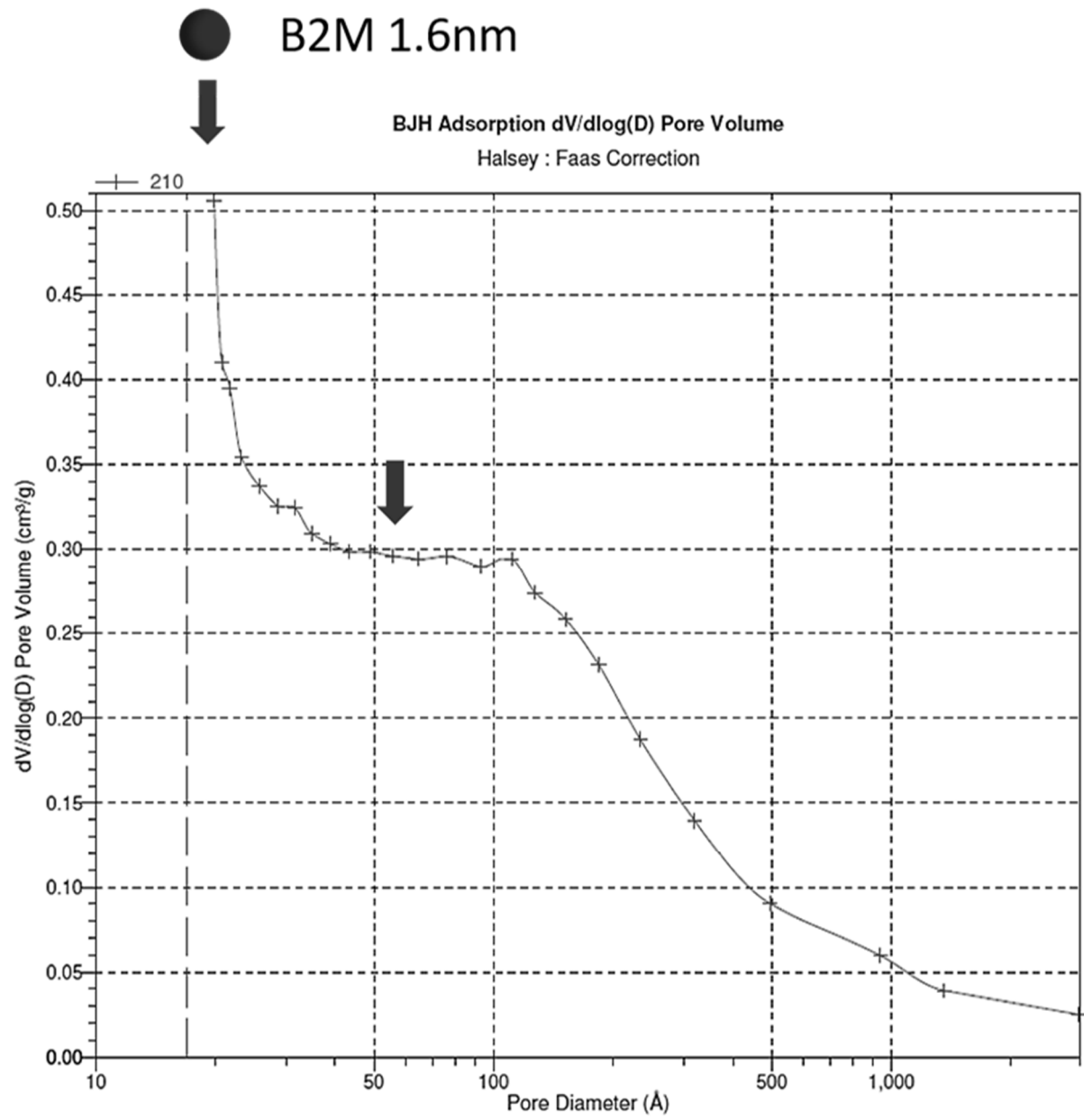


FIG. 5

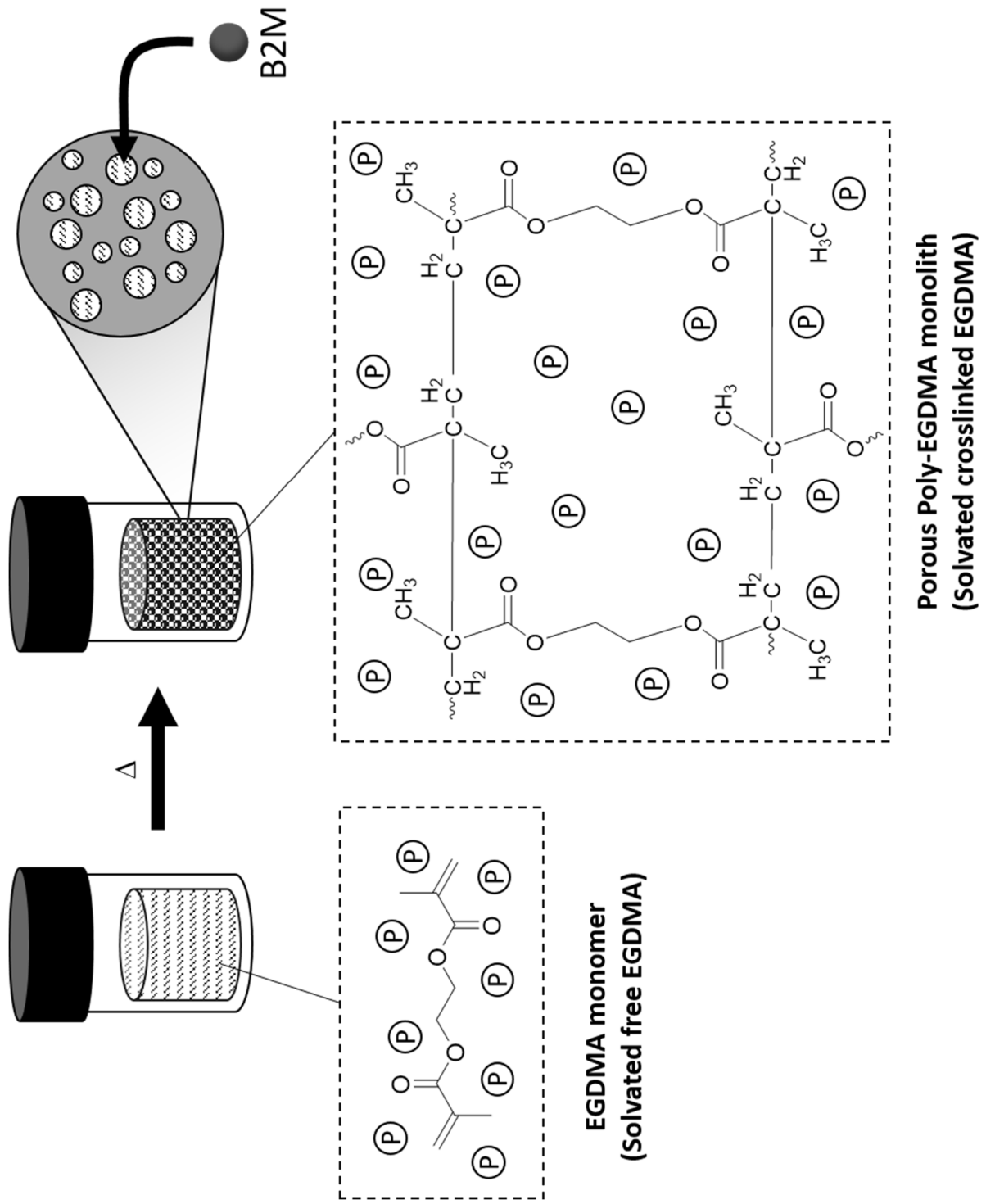


FIG. 6

FIG. 7

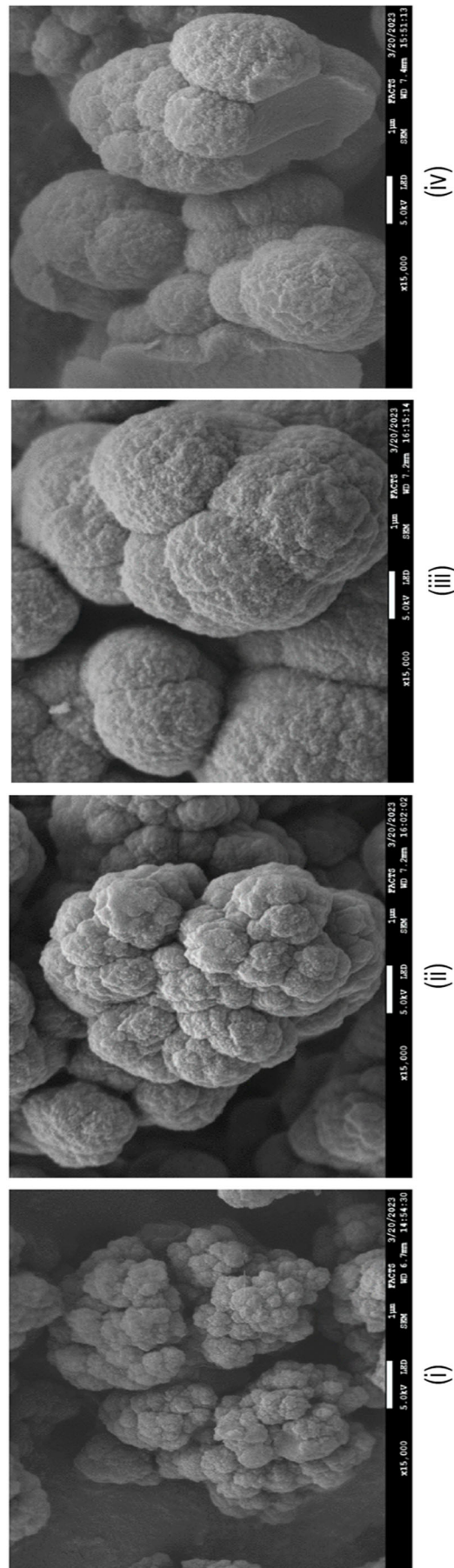


FIG. 8

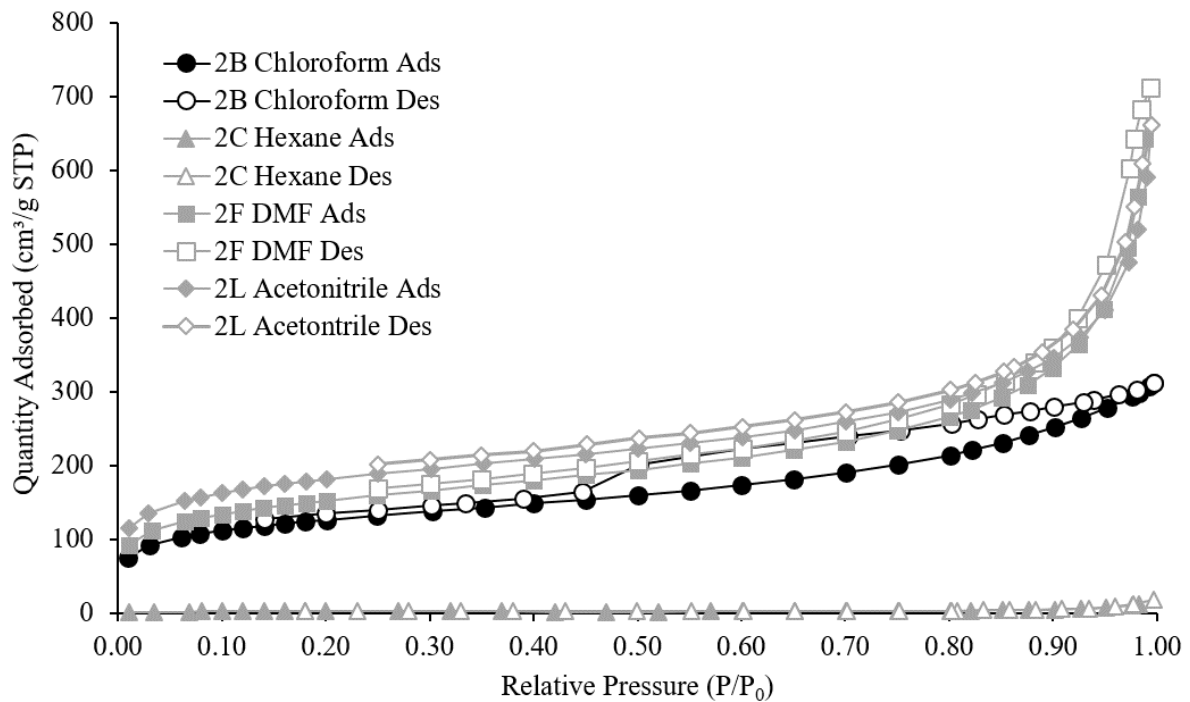


FIG. 9

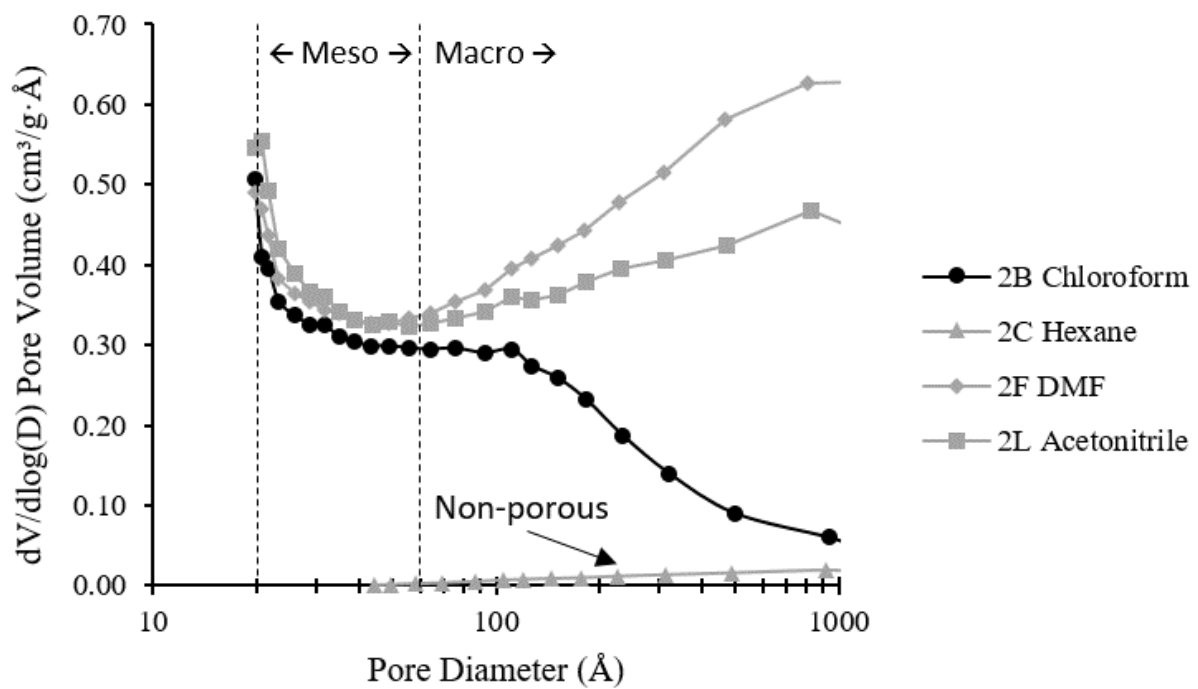
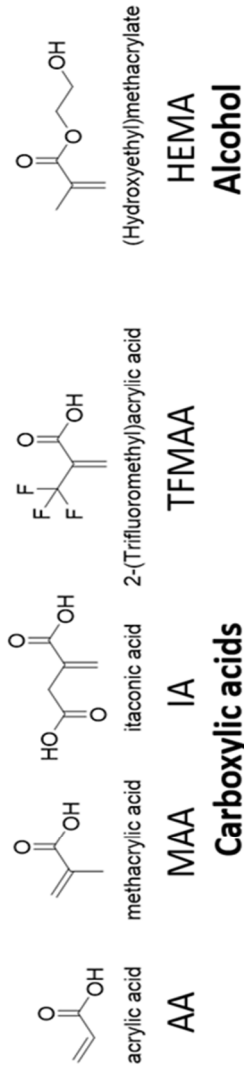
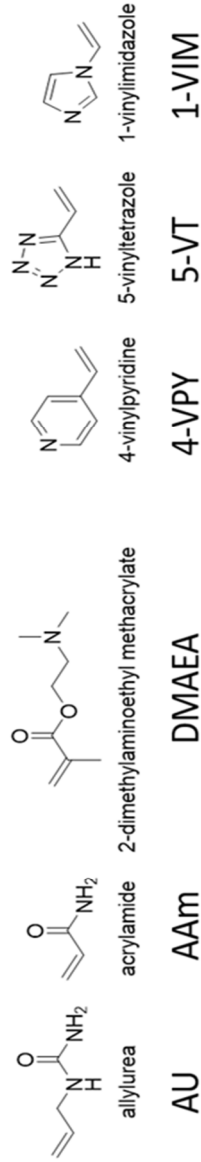


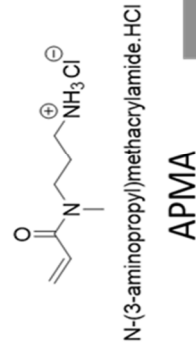
FIG. 10



Carboxylic acids

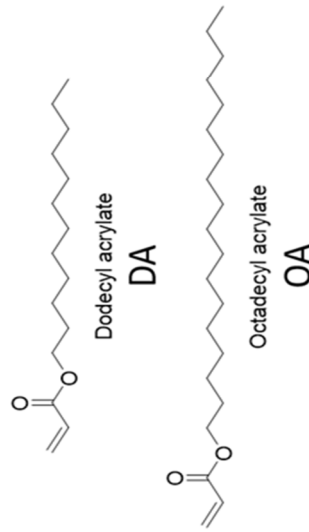


Alkyl amines/amides



Hydrophilic Monomers

Zwitterionic



Long alkyl chain

Hydrophobic Monomers

FIG. 11

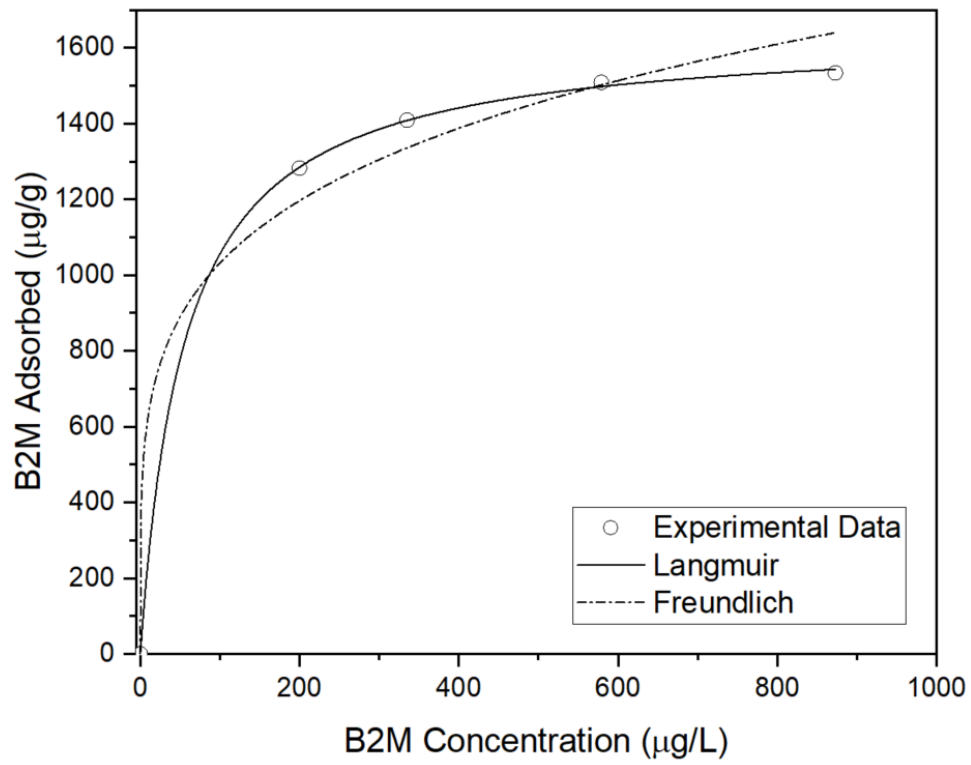


FIG. 12

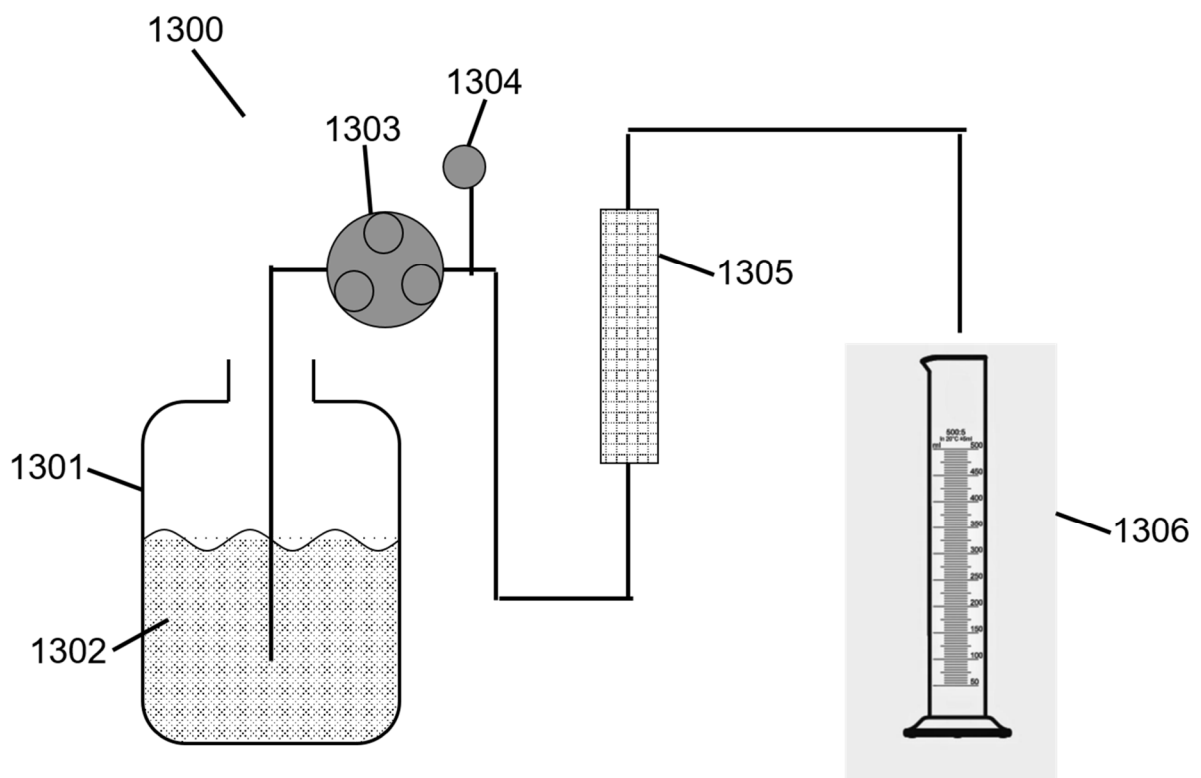


FIG. 13

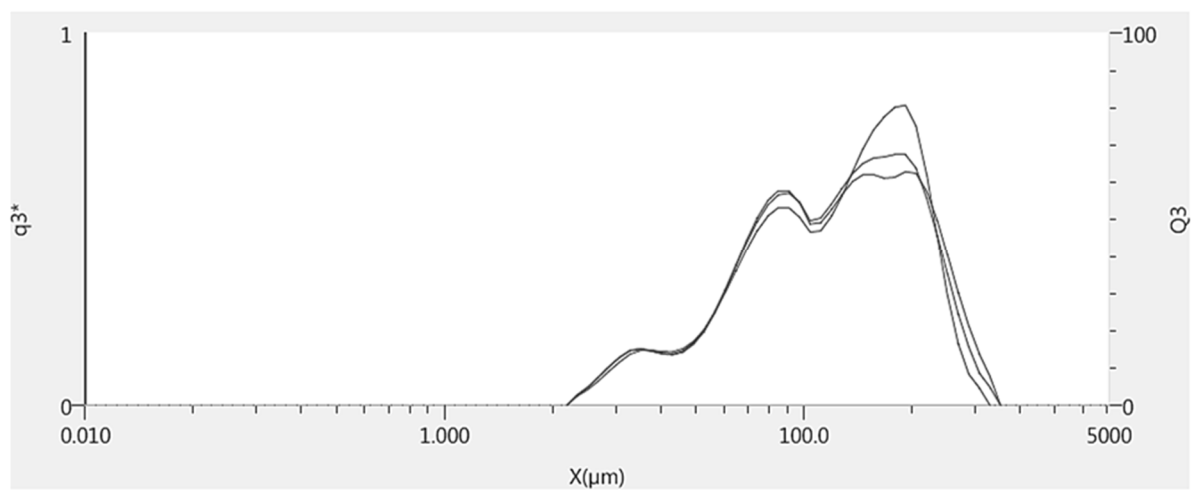


FIG. 14

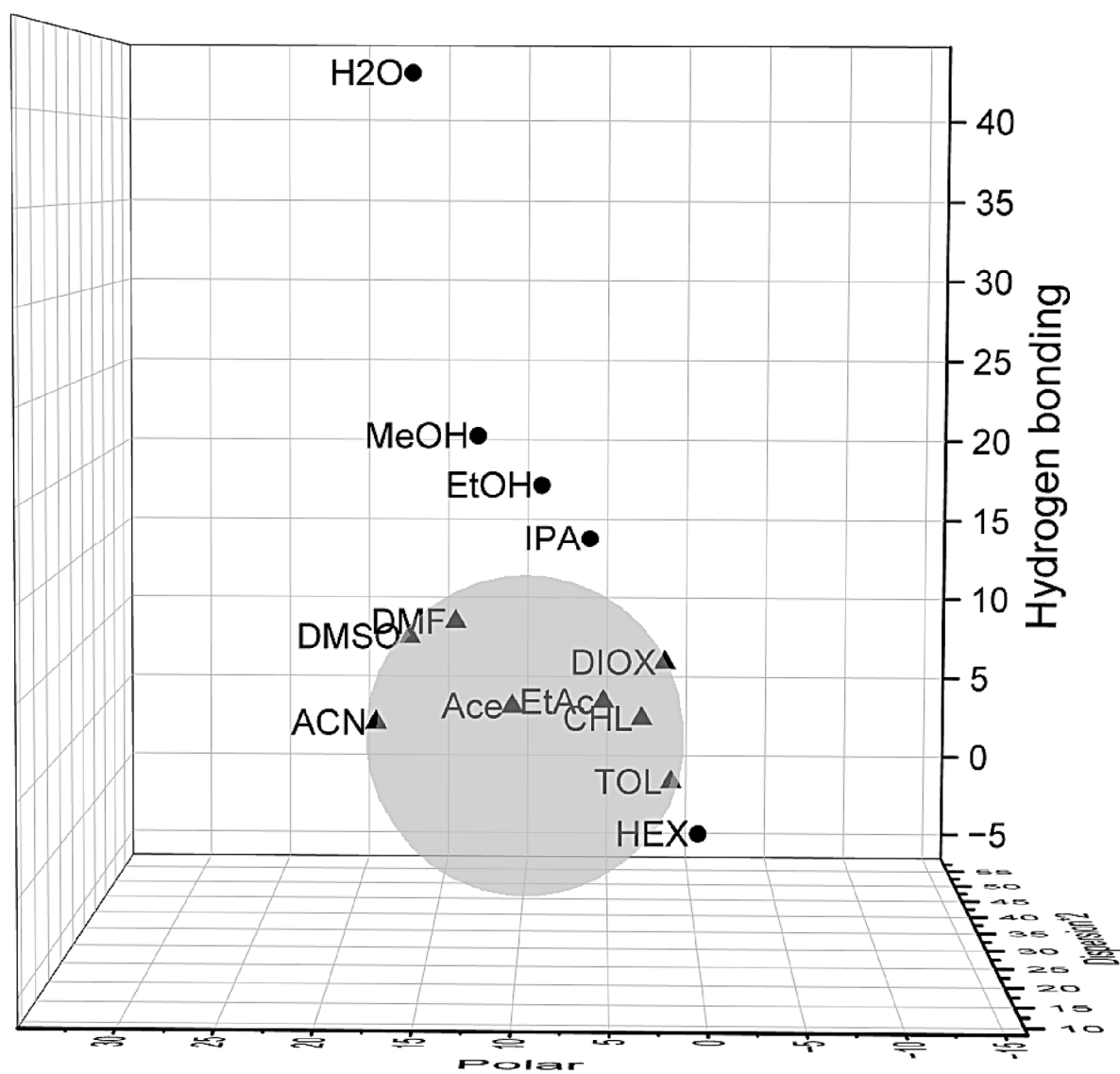


FIG. 15A

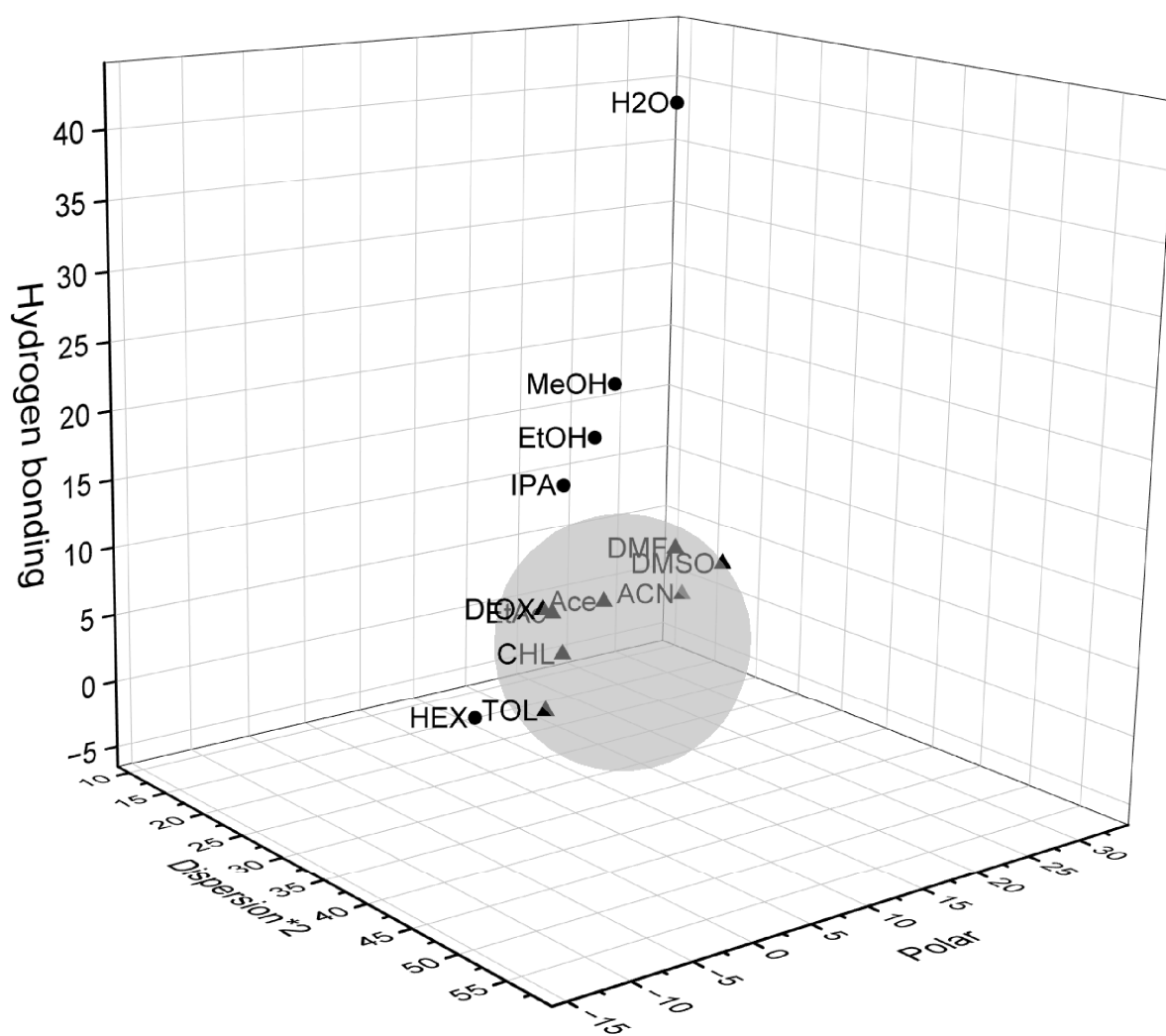


FIG. 15B

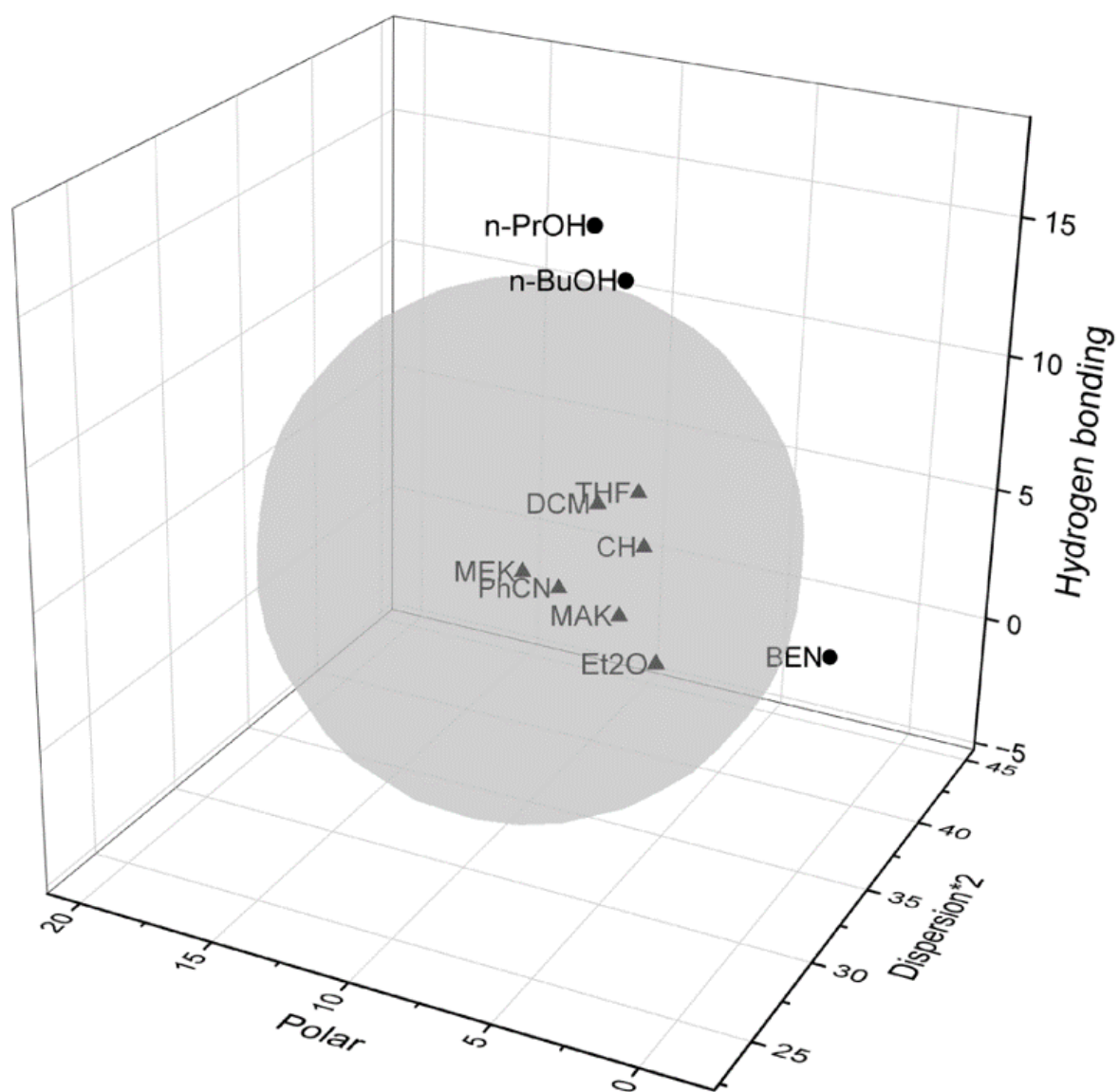
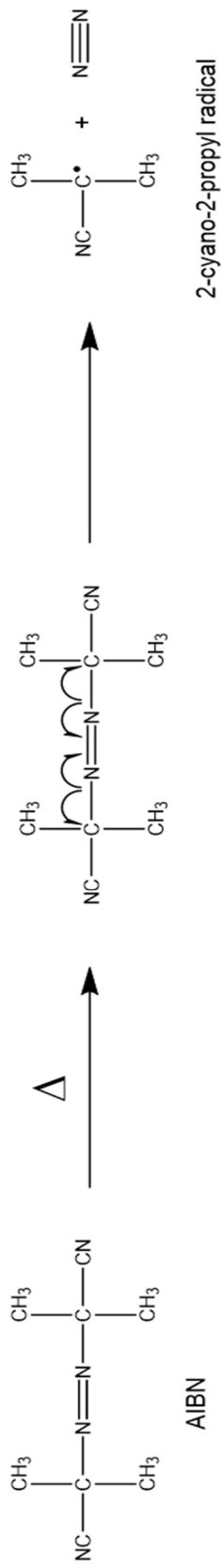
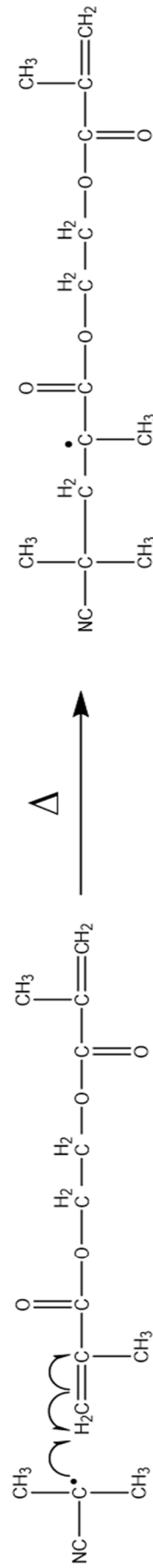


FIG. 16

1. Formation of initiator radical



2. Formation of EGDMA-cyanopropyl radical



3. EGDMA chain propagation

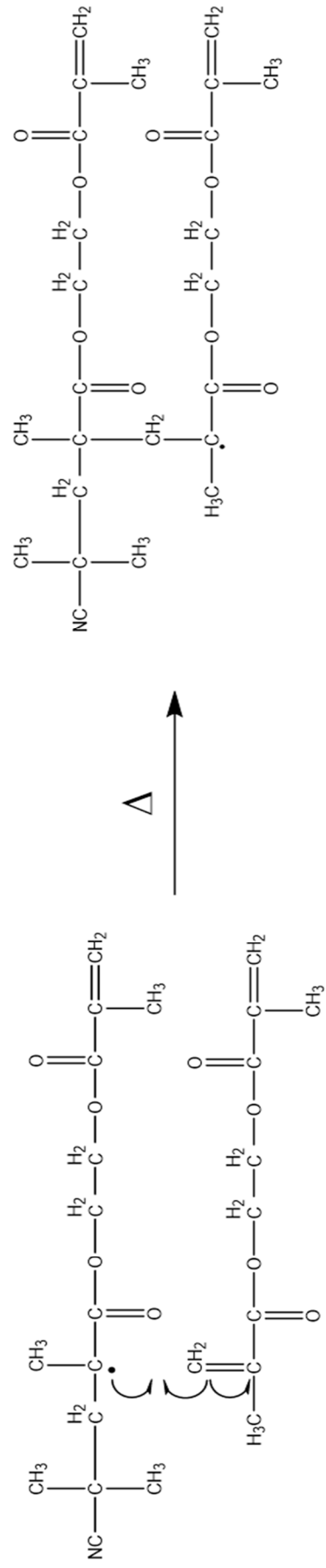


FIG. 17