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Synthesis of precision polymers with regularly placed perfluoroalkyl segments and sulfonic acid groups via ADMET polymerization and internal alkene modification

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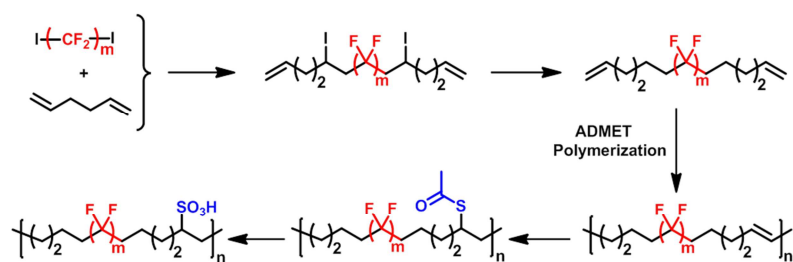
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Graphical Abstract

Synthesis of precision polymers with regularly placed perfluoroalkyl segments and sulfonic acid groups via ADMET polymerization and internal alkene modification

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- ✓ Facile synthesis of diene monomers containing perfluoroalkyl segments
- ✓ Efficient chemical transformation of internal C=C bonds into sulfonic acid groups
- ✓ First synthesis of sulfonated polymers containing perfluoroalkyl segments

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