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Synthesis and Applications of Polycationic Organic Salts

Collaborative Project

Synthesis and Applications of Polycationic Organic Salts

Primary Investigator

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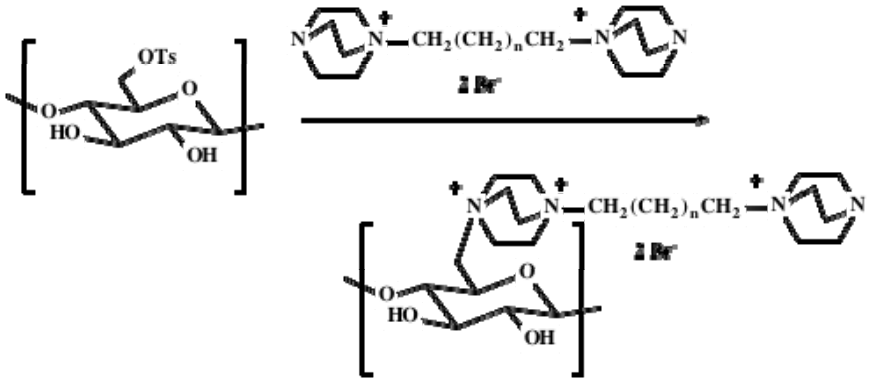

Objective

To synthesize a variety of new polycationic compounds and investigate applications that include their use as antibacterial, antifungal, antiviral, and antiparasitic agents.

Specific Research Aims

- Modification of water filters and to test for antiparasitic activity.
- Binding of agents onto surfaces and to investigate for antiviral activity.
- Synthesis of new compounds as potassium ion channel modulators.
- Development of a new green detergent.