

## **Multifunctional Initiators for Cationic Polymerization**

Multifunctional initiators are useful for the preparation of well-defined star polymers. Star polymers are useful in a number of applications (e.g. viscosity modifiers for oils). Despite their utility, few easy to synthesize multifunctional initiators for cationic polymerization have been developed. This project focuses on preparation and application of new, easy to synthesize multifunctional initiators for preparation of star polymers via a cationic mechanism.

*Cost* = \$8-10,000 Stage 1

*Likelihood of Success* = 80 %

*Earning Potential* = Moderate to high.

*Return on Investment* = Open to negotiation.