The Kulinkovich Reaction

**Significance:** In 1991, Kulinkovich and co-workers reported the titanium-catalyzed reaction of simple esters with ethylmagnesium bromide, leading to substituted cyclopropanols in excellent yields.

**Comment:** Interestingly, in the presence of the titanium catalyst, ethylmagnesium bromide is transformed into an ethylene dianion, which is reactive towards alkylcarboxylic esters.