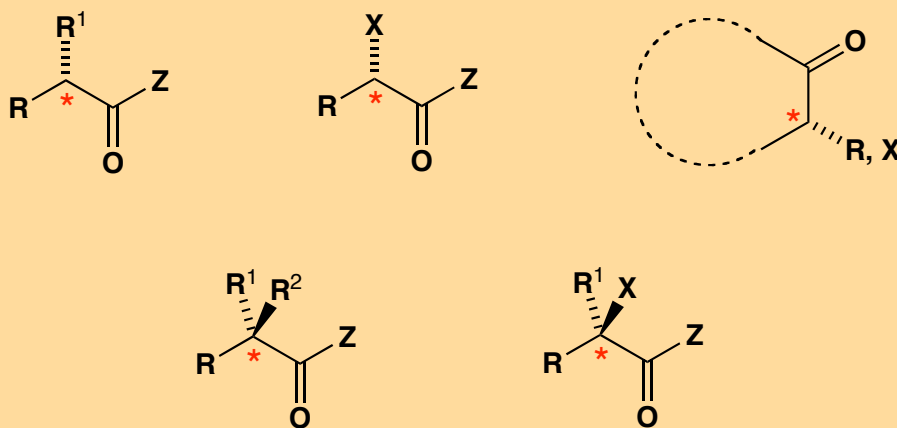


Massachusetts Institute of Technology
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Prof. Rick L. Danheiser

Unit 2
Stereocontrolled Alkylation
and Related Electrophilic Substitution Strategies

Key Retrons



Dieter Seebach "Self-Regeneration of Stereocenters"
Review: *Angew. Chem. Int. Ed.* **1996**, 35, 2708



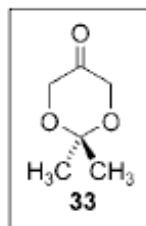
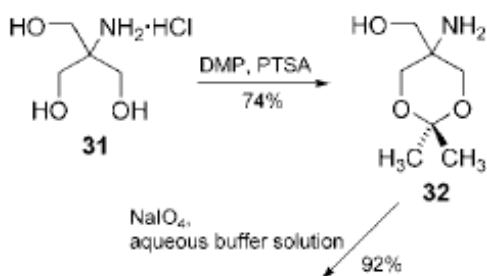
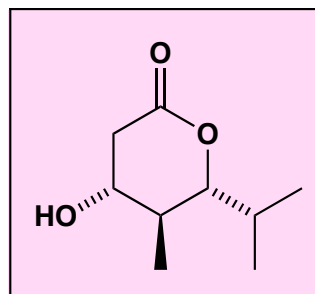
Dieter Enders RAMP & SAMP Hydrazones
Review: *Tetrahedron* **2002**, 58, 2253



Born in 1946 in Butzbach (Germany), Dieter Enders completed his PhD at the Justus-Liebig-Universität Giessen in 1974 under the supervision of D. Seebach. After postdoctoral studies at Harvard University with E. J. Corey, he returned to Giessen and completed his habilitation there in 1979. He became associate professor at the Universität Bonn in 1980, and moved to his present position as Professor of Organic Chemistry at the RWTH Aachen in 1985. He has received many awards for his research, which focuses on the asymmetric synthesis of biologically active compounds and the development of new synthetic methods.

Case Study

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Review on dihydroxyacetone derivatives as synthetic building blocks:

Enders, D.; Voith, M.; Lenzen, A.
Angew. Chem. Int. Ed. **2005**, 44, 1304

