NPTEL Video Course - Chemistry and Biochemistry - NOC:A Study Guide in Organic Retrosynthesis - Problem Solvi

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Co-ordinating Institute - IIT - Kharagpur

Sub-Titles - Available / Unavailable | MP3 Audio Lectures - Available / Unavailable

Lecture 1 - Introductory Remarks
Lecture 2 - Introductory remarks (Continued...)
Lecture 3 - Introductory remarks and some rapid fire quiz
Lecture 4 - Retro Quiz based on simple Transformation
Lecture 5 - Transformation based strategy for a given target
Lecture 6 - Tf/Fg/SM based strategy and its exploratioin
Lecture 7 - Tf/SM/Fg based approaches to solve some basic problems
Lecture 8 - Tf/SM/Fg based strategy and its exploration
Lecture 9 - Tf/SM/Fg based strategy and its exploration for some simple target molecules
Lecture 10 - Tf/SM/Fg based strategy and its exploration
Lecture 11 - Tf/SM/Fg based strategies and its exploration
Lecture 12 - Tf/Fg/SM based strategies and its exploration
Lecture 13 - Tf/Fg/SM based approaches and its exploration
Lecture 14 - Tf/Fg/SM based strategies and its exploration
Lecture 15 - Multiple Tf based strategy for small molecule disconnection
Lecture 16 - Multiple Tf based strategies
Lecture 17 - Specific Tf such as Barton's nitrile ester photolysis
Lecture 18 - Specific transformation
Lecture 19 - Selective transformations
Lecture 20 - Functional Group (Fg) based strategies
Lecture 21 - Functional group based strategy
Lecture 22 - Fg based strategy
Lecture 23 - Fg based strategy
Lecture 24 - Fg based strategy based on protecting groups
Lecture 25 - Fg based strategy
Lecture 26 - Protecting group based strategic disconnection
Lecture 27 - Fg group based strategy
Lecture 28 - Fg based strategy
Lecture 29 - Fg based strategies

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Lecture 30 - Fg based strategy
Lecture 31 - Fg based strategy
Lecture 32 - Fg based strategy
Lecture 33 - Starting material (SM) based strategy
Lecture 34 - Fg/Tf/SM based strategies
Lecture 35 - Fg/Tf/SM based strategies
Lecture 36 - Fg/Tf/SM based strategies
Lecture 37 - Fg based strategies
Lecture 38 - Fg based strategies in combination with SM and Tf
Lecture 39 - Fg/SM/Tf based combined strategies
Lecture 40 - Fg/SM/Tf based combined strategies
Lecture 41 - Fg based strategies
Lecture 42 - Fg based strategies
Lecture 43 - Symmetry based strategy
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Lecture 57 - Stereochemical strategies
Lecture 58 - Stereochemical strategies
Lecture 59 - Synthon concept revisited
Lecture 60 - Concluding remarks
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