

Malonic Ester Retro Synthesis

Written by punjalak

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[4zczoE2iu3I](https://www.youtube.com/watch?v=4zczoE2iu3I)

This video provides the mechanism of the malonic ester synthesis reaction. It also provides a few retrosynthesis examples and problems as well. The malonic ester reaction is very useful for making substituted carboxylic acids and cyclic carboxylic acids. NaOEt and EtOH is used as the base and solvent in this reaction. Products produced include hexanoic acid, cyclohexanecarboxylic acid or cyclohexanoic acid in addition to cyclopentanecarboxylic acid or cyclopentanoic acid.

Source : <https://www.youtube.com/channel/UCEWpbFLzoYGPfuWUMFPSaoA>

Source : [The Organic Chemistry Tutor](#)