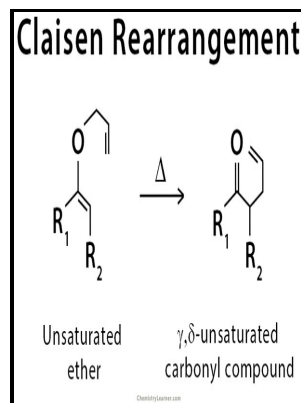


# Claisen rearrangement - methods and applications

## Wiley-VCH - Iron (III) Chloride Catalyzed Claisen Rearrangement Reaction of Allyloxyarenes under Microwave Conditions



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Notes: Includes bibliographical references and index.

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### Dihydronaphthofurans: synthetic strategies and applications

The Journal of Physical Chemistry A 2001, 105 35 , 8236-8240.

### The role of cesium fluoride in aryl propargyl ether Claisen rearrangement and its mechanistic elucidation: a theoretical study

Fluorinated succinic acid derivatives or trifluoromethylated compounds have been prepared from fluoro and difluoro allylic alcohols via Johnson—Claisen or chelated enolate Claisen rearrangements; these reactions occurred with moderate yield but with the expected high diastereoselectivity.

### Claisen Rearrangement

Organic Letters 2006, 8 26 , 5975-5978.

### Microwave

Additionally, presence of ortho substituents exclusively leads to para-substituted rearrangement products tandem Claisen and Cope rearrangement.

### Hiersemann M., Nubbemeyer U. (ed.) The Claisen Rearrangement. Methods and Applications [PDF]

Merrick JP, Moran D, Radom L 2007 An evaluation of harmonic vibrational frequency scale factors.

### Iron (III) Chloride Catalyzed Claisen Rearrangement Reaction of Allyloxyarenes under Microwave Conditions

There are substantial solvent effects observed in the Claisen rearrangement, where polar solvents tend to accelerate the reaction to a greater extent.

### Hiersemann M., Nubbemeyer U. (ed.) The Claisen Rearrangement. Methods and Applications [PDF]

Thus, we expanded the scope of the reaction with 1-allyloxynaphthalene 2a.

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