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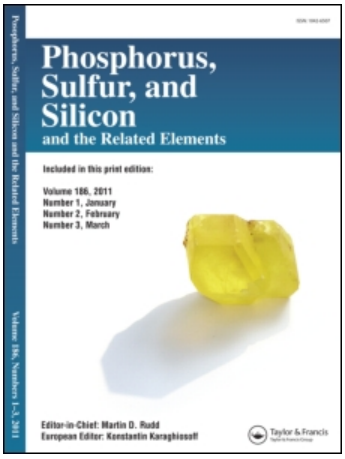

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Asymmetric Induction of the Iodolactonization Reaction of α-Sulfurated-γ-Unsaturated Amides

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Asymmetric Induction of the Iodolactonization Reaction of α-Sulfurated-γ-Unsaturated Amides

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Keywords Amides; claisen rearrangement; iodolactonization reaction; lactones; sulfoxides

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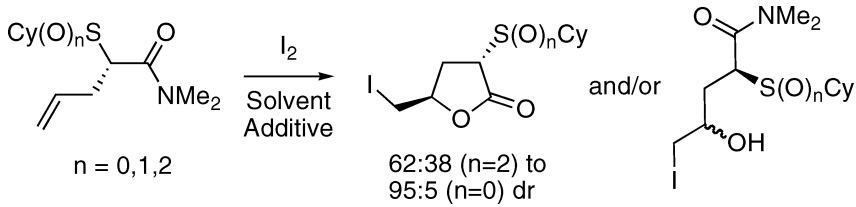
As part of the enantioselective synthesis of iso-avenaciolide or ethisolide, the 1,3-asymmetric iodolactonization reaction of enantiopure amides[1] has been investigated.

The influence of a sulfur substituent on the chemoselectivity (lactone or iodohydrin) and stereoselectivity (*cis* or *trans*) of the iodolactonization was studied. The role of the oxygen atom on the sulfur moiety was found to be critical.



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