

Publication

Asymmetric Synthesis of alpha -Tocopherol

JournalArticle (Originalarbeit in einer wissenschaftlichen Zeitschrift)

ID 163172

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Year 2010

Title Asymmetric Synthesis of alpha -Tocopherol

Journal Chemistry

Volume 16

Number 4

Pages / Article-Number 1306-1311

Keywords asymmetric synthesis, chromanes, enantioselectivity, tocopherol, vitamin E

alpha-Tocopherol was synthesized from a chiral intermediate alpha-hydroxy ester by means of two ring-closing methods to yield the chromanol in 94 % diastereomeric excess.

Publisher Wiley-VCH Verlag

ISSN/ISBN 0947-6539

edoc-URL <http://edoc.unibas.ch/dok/A5260114>

Full Text on edoc No;

Digital Object Identifier DOI 10.1002/chem.200902754

ISI-Number WOS:000274910500027

Document type (ISI) Article