

Web of Science

Search

Search Results

My Tools

Search History

Marked List

Full Text Options

Look Up Full Text



Save to EndNote online

Add to Marked List

229 of 752

Novel domino procedures for the synthesis of chromene derivatives and their isomerization

By: Zonouzi, A (Zonouzi, Afsaneh)^[1,2]; Izakian, Z (Izakian, Zakieh)^[1,2]; Ng, SW (Ng, Seik Weng)^[3,4]

MOLECULAR DIVERSITY

Volume: 20 Issue: 3 Pages: 627-638

DOI: 10.1007/s11030-016-9664-0

Published: AUG 2016

[View Journal Impact](#)

Abstract

Novel tricyclic keto diesters have been synthesized by a one-pot three-component procedure via DABCO-catalyzed domino Knoevenagel-Michael addition reactions. Also, an efficient four-component reaction for the synthesis of another new group of tricyclic keto diesters has been developed via domino Knoevenagel-intramolecular oxo-Diels-Alder reactions. A selective thermal isomerization of the synthesized chromenes to fumarates is also described. X-ray analyses confirm unambiguously the structures of the products.

Keywords

Author Keywords: Domino reaction; Michael addition; Oxo-Diels-Alder; Chromene; Isomerization; DABCO; Iminolactone; MCRs

KeyWords Plus: EFFICIENT ONE-POT; AGENTS

Author Information

Reprint Address: Zonouzi, A (reprint author)

+ Univ Tehran, Univ Coll Sci, Sch Chem, Tehran, Iran.

Reprint Address: Zonouzi, A (reprint author)

+ Univ Tehran, Res Inst, PCRC, Tehran, Iran.

Addresses:

+ [1] Univ Tehran, Univ Coll Sci, Sch Chem, Tehran, Iran

+ [2] Univ Tehran, Res Inst, PCRC, Tehran, Iran

+ [3] Univ Malaya, Dept Chem, Kuala Lumpur 50603, Malaysia

- [4] King Abdulaziz Univ, Dept Chem, Fac Sci, Jeddah, Saudi Arabia

Organization-Enhanced Name(s)

King Abdulaziz University

E-mail Addresses: zonouzi70@gmail.com

Funding

Funding Agency	Grant Number
University of Tehran	
PCRC	

[View funding text](#)

Citation Network

0 Times Cited

[23 Cited References](#)

[View Related Records](#)



Create Citation Alert

(data from Web of Science Core Collection)

All Times Cited Counts

0 in All Databases

0 in Web of Science Core Collection

0 in BIOSIS Citation Index

0 in Chinese Science Citation Database

0 in Data Citation Index

0 in Russian Science Citation Index

0 in SciELO Citation Index

Usage Count

Last 180 Days: 0

Since 2013: 4

[Learn more](#)

This record is from:

Web of Science Core Collection
- Science Citation Index Expanded

Suggest a correction

If you would like to improve the quality of the data in this record, please [suggest a correction](#).

Publisher

SPRINGER, VAN GODEWIJCKSTRAAT 30, 3311 GZ DORDRECHT, NETHERLANDS

Categories / Classification

Research Areas: Biochemistry & Molecular Biology; Chemistry; Pharmacology & Pharmacy

Web of Science Categories: Biochemistry & Molecular Biology; Chemistry, Applied; Chemistry, Medicinal; Chemistry, Multidisciplinary

Document Information

Document Type: Article

Language: English

Accession Number: WOS:000379259200006

PubMed ID: 27003393

ISSN: 1381-1991

eISSN: 1573-501X

Journal Information

Table of Contents: [Current Contents Connect](#)

Impact Factor: [Journal Citation Reports](#)

Other Information

IDS Number: DQ5QF

Cited References in Web of Science Core Collection: **23**

Times Cited in Web of Science Core Collection: **0**