Silver-Catalyzed Decarboxylative Alkynylation of alpha,alpha-Difluoroarylacetic Acids with Ethynylbenziodoxolone Reagents

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ORGANIC LETTERS
Volume: 18 **Issue:** 12 **Pages:** 2880-2882
DOI: 10.1021/acs.orglett.6b01188
Published: JUN 17 2016
View Journal Impact

Abstract

A decarboxylating alkynylation of alpha,alpha-difluoroarylacetic acids with ethynylbenziodoxolone reagents is reported. AgNO3 serves as the catalyst and K2S2O8 as the oxidant. A series of functional groups were tolerated, and moderate to good yields were obtained.

Keywords

KeyWords Plus: ALIPHATIC CARBOXYLIC-ACIDS; ARYL BORONIC ACIDS; LIGHT PHOTOREDOX CATALYSIS; ROOM-TEMPERATURE; HYPERVALENT IODINE; ARYLBORONIC ACIDS; AQUEOUS-SOLUTION; ALPHA-ARYLATION; EBX REAGENTS; PALLADIUM

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Funding

Funding Agency	Grant Number
China Scholarship Council (CSC)	

View funding text

Publisher

AMER CHEMICAL SOC, 1155 16TH ST, NW, WASHINGTON, DC 20036 USA

Categories / Classification

Citation Network

Research Areas: Chemistry

Web of Science Categories: Chemistry, Organic

Document Information

Document Type: Article

Language: English

Accession Number: WOS:000378303400023

PubMed ID: 27267868

ISSN: 1523-7060

eISSN: 1523-7052

Journal Information

Table of Contents: Current Contents Connect

Impact Factor: Journal Citation Reports

Other Information

IDS Number: DP2FL

Cited References in Web of Science Core Collection: 56

Times Cited in Web of Science Core Collection: 16

Reactions 1 to 1

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1. **Reaction Details**

Compounds 1 to 10

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1. **Compound Details** 2. **Compound Details**

3. **Compound Details** 4. **Compound Details**

5. **Compound Details** 6. **Compound Details**

7. **Compound Details** 8. **Compound Details**

9. **Compound Details** 10. **Compound Details**