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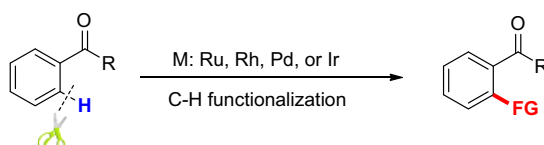
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DIGEST PAPER

Transition-metal-catalyzed ketone-directed *ortho*-C–H functionalization reactions

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Qing-Zhong Zheng, Ning Jiao*



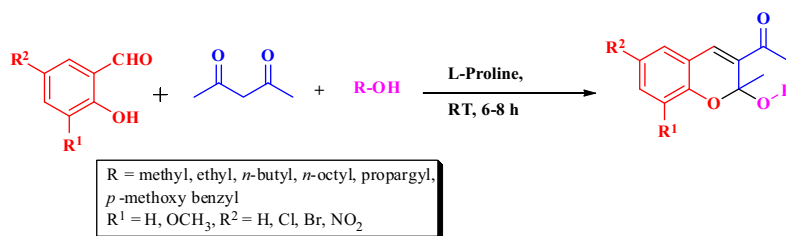
In the past 20 years, organic chemists have made significant contributions to the development of transition-metal-catalyzed ketone-directed *ortho*-C–H functionalization. These include Ru, Rh, Pd and Ir-catalyzed ketone-directed C–C and C-heteroatom (O, N, Cl, Br, I) bond forming reactions. This article summarizes the developments of Ru, Rh, Pd and Ir-catalyzed ketone-directed *ortho*-C–H functionalization reactions in the past two decades.

COMMUNICATIONS

L-Proline catalyzed efficient and convenient synthesis of substituted 2H-chromenes by three-component reaction

pp 1127–1131

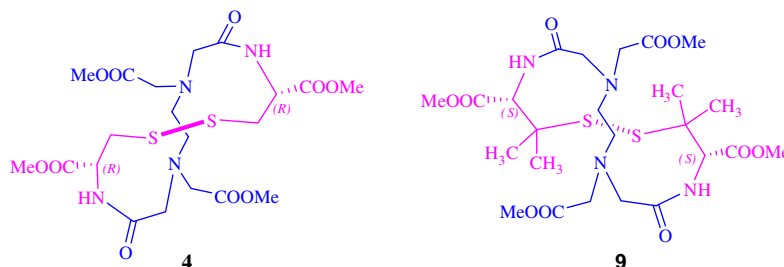
L. Chandrasekhara Rao, H. M. Meshram*, N. Satish Kumar, N. Nageswara Rao, N. Jagadeesh Babu



The *trans* opening of ethylene diamine tetra acetic acid bis anhydride (EDTAA) with cystine-di-OMe: one-step synthesis of bihelical systems

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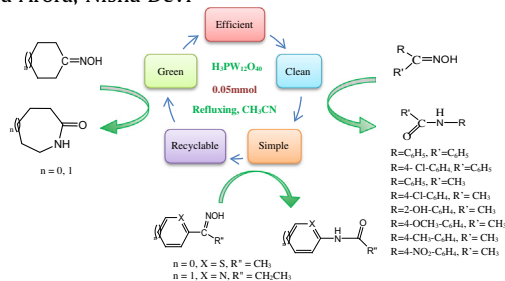
Santhosh Reddy Naini, Subramania Ranganathan*, Jhillu Singh Yadav*, A. V. S. Sarma*, K. V. S. Ramakrishna*, Ramakrishnan Nagaraj*, J. Richard Premkumar, G. Narahari Sastry*



Keggin-type Bronsted dodecatungstophosphoric acid: a quasi homogenous and reusable catalyst system for liquid phase Beckmann rearrangement

pp 1136–1140

Gagandeep Kaur, Jaspreet Kaur Rajput*, Priya Arora, Nisha Devi



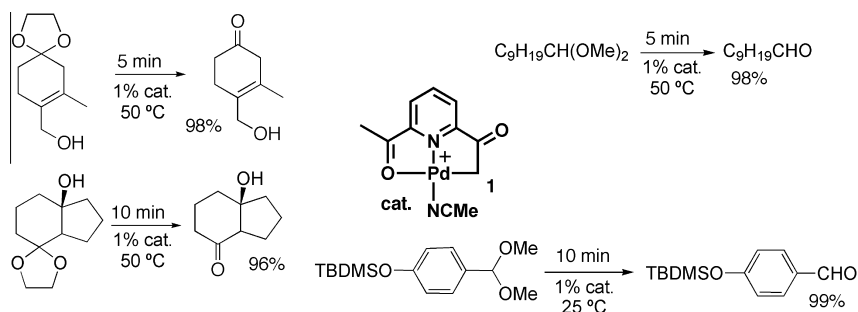
Beckmann rearrangement of ketoximes to N-substituted amides and lactams using dodecatungstophosphoric acid (DTPA).



Pd(II)-catalyzed deprotection of acetals and ketals containing acid sensitive functional groups

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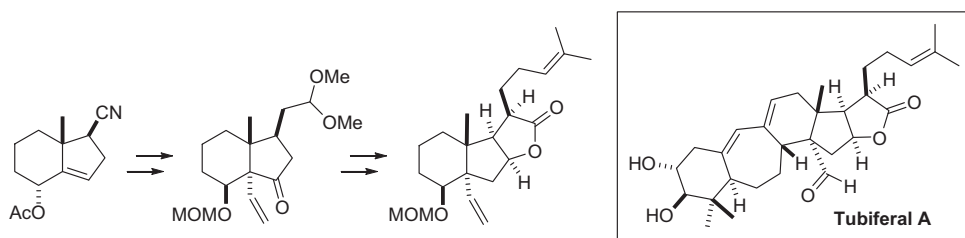
Francisco Juliá-Hernández, Aurelia Arcas, José Vicente*



Stereoselective synthesis of the right-hand segment of tubiferal A

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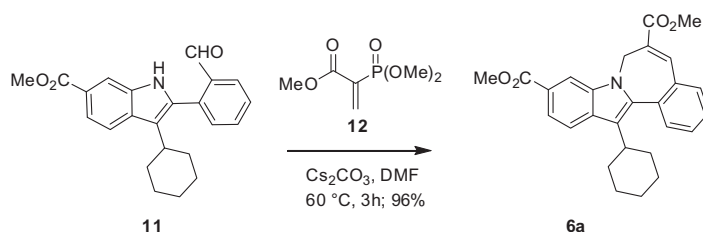
Takahiro Hiramatsu, Motomasa Takahashi, Keiji Tanino*



A practical and efficient synthesis of 6-carboalkoxy-13-cycloalkyl-5H-indolo[2,1-a][2]benzazepine-10-carboxylic acid derivatives

pp 1148–1153

Piyasena Hewawasam*, Yong Tu, Thomas W. Hudyma, Xiaofan Zhang, Robert G. Gentles, John F. Kadow, Nicholas A. Meanwell



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