

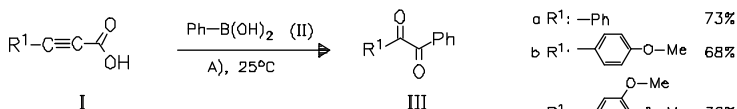
Ketones
Q 0350

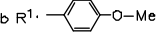
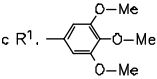
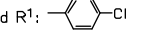
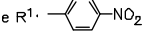
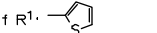
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44- 096

Mild $\text{Mn}(\text{OAc})_3$ -Mediated Aerobic Oxidative Decarboxylative Coupling of Arylboronic Acids and Arylpropionic Acids: Direct Access to Diaryl 1,2-Diketones.

Labeling experiments show that both oxygen atoms of the 1,2-diketone originate from air. A radical pathway is proposed for this reaction. — (LV, W.-X.; ZENG, Y.-F.; ZHANG, S.-S.; LI, Q.; WANG*, H.; Org. Lett. 17 (2015) 12, 2972-2975, <http://dx.doi.org/10.1021/acs.orglett.5b01265>; Sch. Pharm. Sci., Sun Yat-Sen Univ., Guangzhou 510006, Peop. Rep. China; Eng.) — H. Haber

A). air, AcOK, $\text{Mn}(\text{O}-\text{Ac})_3 \cdot 2\text{H}_2\text{O}$, cyclohexane/ H_2O (10:1), [40 h]

a R ¹ : -Ph	73%
b R ¹ : 	68%
c R ¹ : 	36%
d R ¹ : 	34%
e R ¹ : 	56%
f R ¹ : 	54%
g R ¹ : $-(\text{CH}_2)_4-\text{Me}$	0%

