



## Oxadiazole derivatives

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Mild Copper-Mediated Direct Oxidative Cross-Coupling of 1,3,4-Oxadiazoles with Polyfluoroarenes by Using Dioxygen as Oxidant. — (ZOU, L.-H.; MOTTWEILER, J.; PRIEBBENOW, D. L.; WANG, J.; STUBENRAUCH, J. A.; BOLM\*, C.; Chem. - Eur. J. 19 (2013) 10, 3302-3305, http://dx.doi.org/10.1002/chem.201204502; Inst. Org. Chem., RWTH Aachen,

D-52074 Aachen, Germany; Eng.) — Roessler

excess F F (II) F F b Ar<sup>1</sup>: 
$$-CI$$
 68%

Ar<sup>1</sup>  $-CI$  68%

I III Me-0

A): 1 atm O<sub>2</sub>, tBuOLi, CuBr, phen, MeCN, 25°C, [14 h]

e Ar<sup>1</sup>:  $-CI$  64%

f Ar<sup>1</sup>:  $-CI$  64%

V 20%

Ia 
$$\xrightarrow{\text{excess H-Ar-}(\text{VIII})}$$
 Ph  $\xrightarrow{\text{N-N}}$  Ar2 a Ar2:  $\xrightarrow{\text{O-Me}}$  15% IX  $\xrightarrow{\text{F}}$  F CN 50%  $\xrightarrow{\text{CI}}$  CI CI c Ar2:  $\xrightarrow{\text{N-N}}$  N 35%