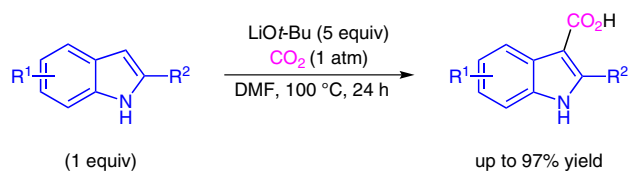


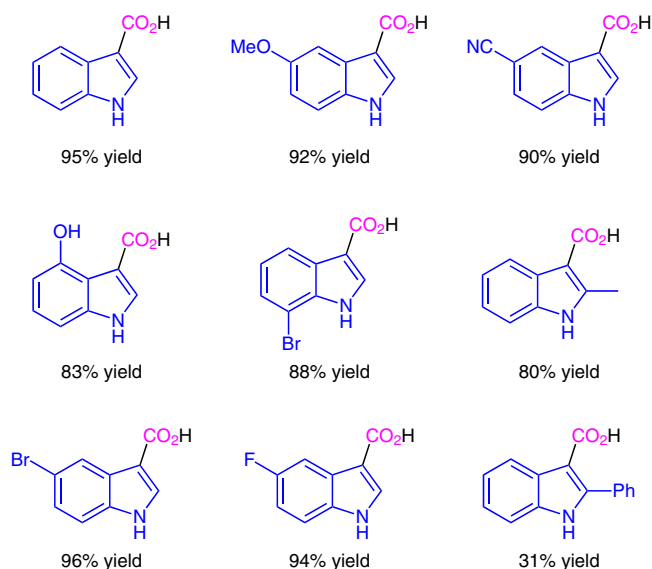
# Carboxylation of Unprotected Indole Derivatives with Carbon Dioxide



R<sup>1</sup> = H, Me, OH, OMe, OBn, CN, F, Br

R<sup>2</sup> = H, Me, Ph

### Selected examples:



**Significance:** A practical and straight-forward method for the preparation of indole-3-carboxylic acids has been reported. Deprotonation with LiOt-Bu under an atmospheric pressure of carbon dioxide furnishes a variety of indole-3-carboxylic acids in high yield.

**Comment:** The described reaction is very versatile since it tolerates various functional groups and has therefore a broad substrate scope. According to the authors, the large excess of LiOt-Bu suppresses the undesired decarboxylation side reaction.