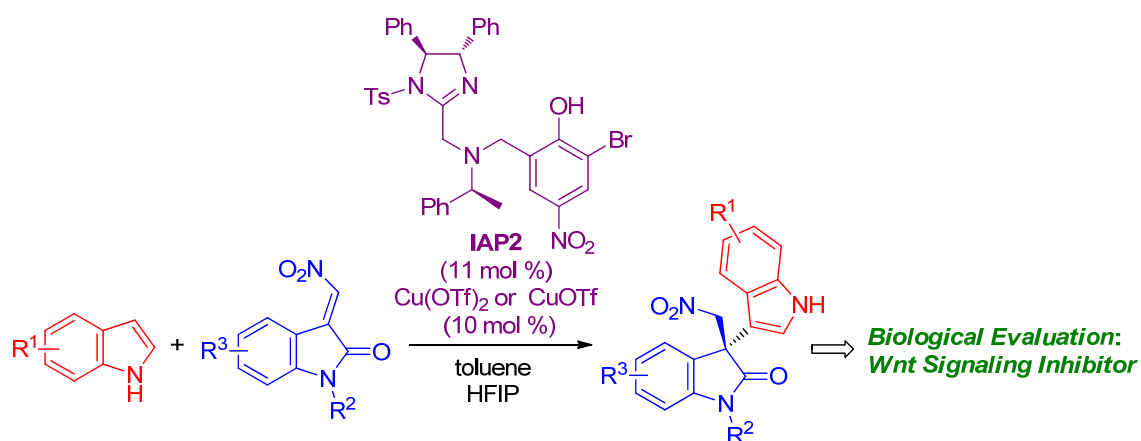


Catalytic Asymmetric Synthesis of Mixed 3,3'-Bisindoles and Their Evaluation as Wnt Signaling Inhibitors

Arai, T.; Y. Yamamoto; Awata, A.; Kamiya, K.; Ishibashi, M.; Arai, M. A.
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- *Hot Paper*



The first efficient catalytic asymmetric coupling reaction of indoles with isatin-derived nitroalkenes was accomplished by using a complex consisting of a chiral imidazoline aminophenol ligand (**IAP2**; see scheme) and Cu(OTf)₂. Biological activity of the newly formed chiral 3,3'-bisindoles was also confirmed in a Wnt signaling inhibitory assay.

【研究室の HP】

<http://synthesis.chem.chiba-u.jp/index.htm>

<http://www.p.chiba-u.ac.jp/lab/kouzou/index.html>