



## Tetrahedron Vol. 70, Issue 51, 2014

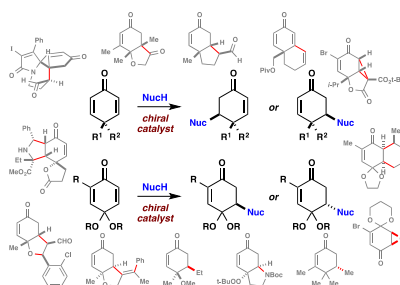
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## REPORT

## Asymmetric transformations of achiral 2,5-cyclohexadienones

pp 9571–9585

Kyle A. Kalstabakken, Andrew M. Harned\*

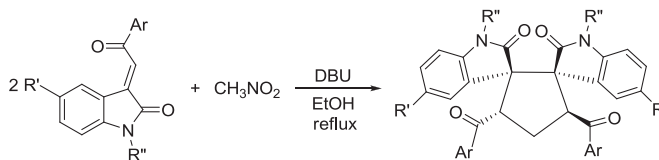


## ARTICLES

## Synthesis of dispirocyclopentyl-3,3'-bisoxindoles via base promoted cyclization reaction of 3-phenacylideneoxindoles with nitromethane

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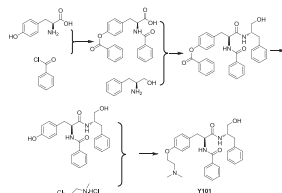
Li-Juan Lu, Chao-Guo Yan\*



**Development of a practical and scalable synthesis of anti-HBV drug Y101**

pp 9592–9600

Zhan-Xing Hu, Yan-Gong Zhang, Qiao An, Bi-Xue Xu, Wei-Dong Pan, Pei-Xue Cao, Chang-Xiao Liu, Zheng-Ming Huang, Wen Xia, Jing-Ying Qiu\*, Guang-Yi Liang\*

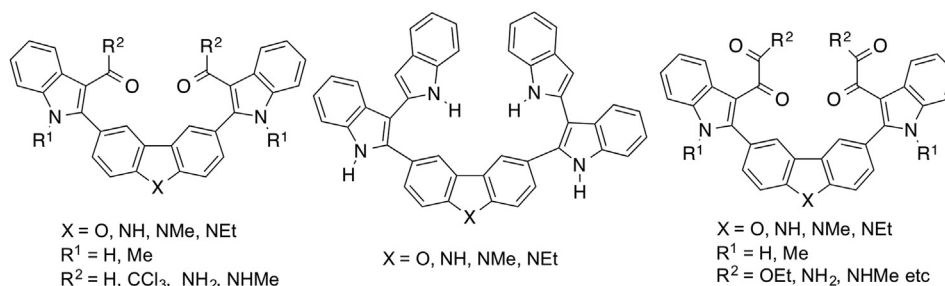


We have developed a safe, practical and reproducible process for the first fully synthetic Anti-HBV drug *N*-[*N*-benzoyl-*O*-(2-dimethylaminoethyl)-*L*-tyrosyl]-*L*-phenylalaninol (**Y101**) to allow preclinical and clinical development (see picture). Several kilograms of active pharmaceutical ingredient have been manufactured by this process to date. This material has been sufficient to provide for development as well as drug product manufacturing for early clinical studies.

**Some electrophilic reactivity studies of di-(2-indolyl)dibenzofurans and di-(2-indolyl)carbazoles**

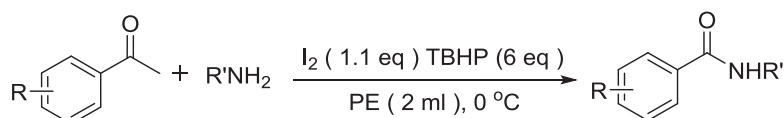
pp 9601–9614

Ibrahim F. Sengul, Kittiya Somphol, Hakan Kandemir, Naresh Kumar, David StC. Black\*

**Metal free amide synthesis via carbon–carbon bond cleavage**

pp 9615–9620

Chunyin Zhu\*, Wei Wei, Peng Du, Xiaobing Wan\*

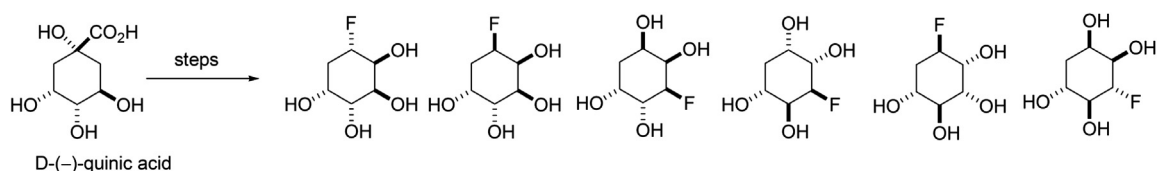


Metal free! 18 examples, up to 86% yield

**Regioselective fluorination in synthesis of deoxyfluoro quercitols from D-(–)-quinic acid**

pp 9621–9627

Tzenge-Lien Shih\*, Wen-Yu Liao, Wen-Chun Yen



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