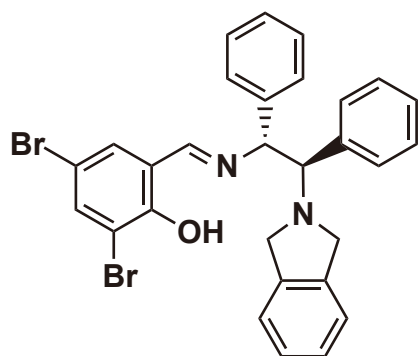


# Chiral Ligands for Asymmetric Iodocyclization

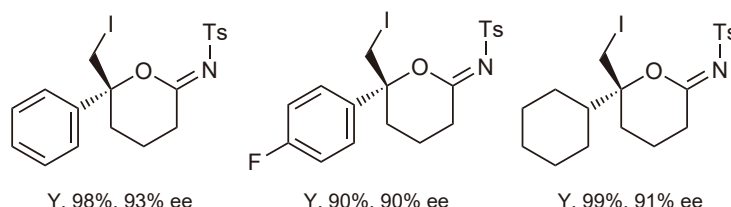
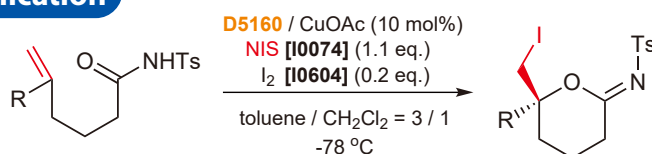
## 2,4-Dibromo-6-[(*E*)-[(1*R*,2*R*)-2-(isoindolin-2-yl)-1,2-diphenylethyl]imino]methyl]phenol

50mg [D5160]

Useful for enantioselective iodocyclization of tosylamides by forming a copper complex catalyst



### Application

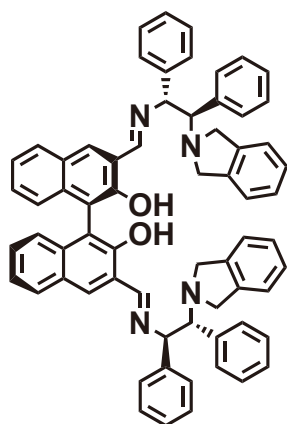


Reference T. Arai, O. Watanabe, S. Yabe, M. Yamanaka, *Angew. Chem. Int. Ed.* **2014**, *50*, 8287.

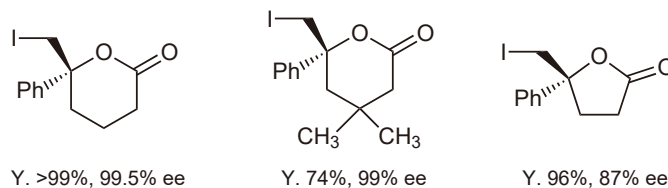
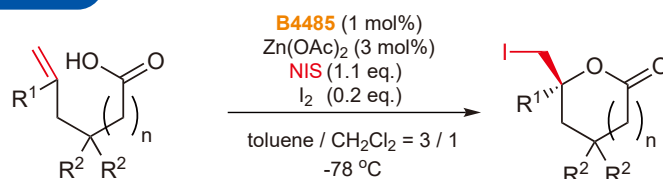
## (*R*)-3,3'-Bis[[(1*R*,2*R*)-2-(isoindolin-2-yl)-1,2-diphenylethyl]imino]methyl]-1,1'-bi-2-naphthol

50mg [B4485]

Useful for enantioselective iodolactonizations by forming a trinuclear zinc complex catalyst



### Application



Reference T. Arai, N. Sugiyama, H. Masu, S. Kado, S. Yabe, M. Yamanaka, *Chem. Commun.* **2014**, *50*, 8287.

### Related Products

**N-Iodosuccinimide (= NIS)**  
**Iodine**

5g / 25g / 100g [10074]  
25g / 500g [10604]

# Chiral Ligands for Asymmetric Iodocyclization

## Introduction of the Researcher

### The Arai Group

Department of Chemistry, Graduate School of Science, Chiba University

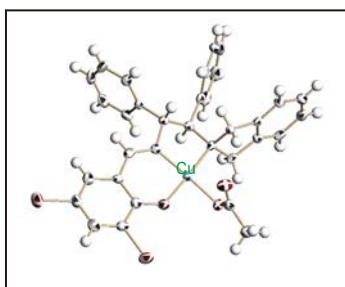


### Research Description

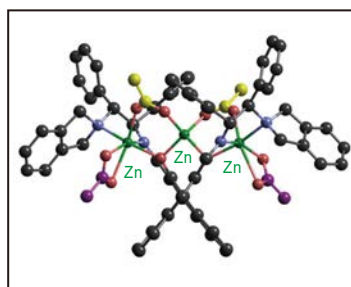
Current research interests focus on the tailor-made development of novel asymmetric catalysts for providing highly functionalized complex molecules. In a program of "diversity-oriented asymmetric catalysis (DOAC)", Arai Group's aim is the creation of new biologically significant compounds in one flask.

### X-ray Crystallography (provided by Prof. Arai)

D5160 / Cu(OAc)<sub>2</sub> Complex



B4485 / Zn(OAc)<sub>2</sub> Complex



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chiral ligands



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