

# Accepted Manuscript

Asymmetric Synthesis of 3,4-Dihydro-2*H*-1,2,4-benzothiadiazine-1,1- dioxides Catalyzed by Scandium(III)-*inda*-Pybox

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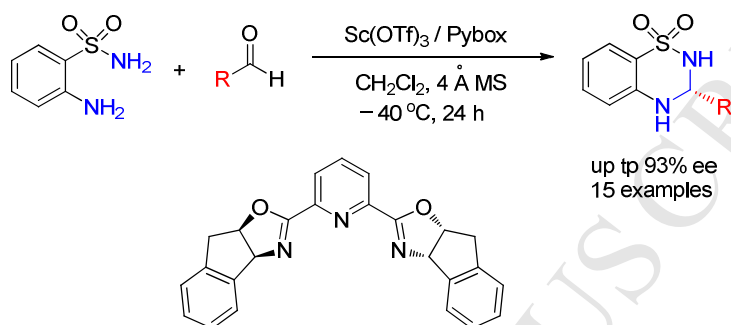
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## Graphical Abstract



## Asymmetric Synthesis of 3,4-Dihydro-2H-1,2,4-benzothiadiazine-1,1-dioxides Catalyzed by Scandium(III)-*inda*-Pybox

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**Abstract:** Asymmetric synthesis of 3,4-dihydro-2H-1,2,4-benzothiadiazine-1,1-dioxides (DHBDs) was realized using readily available scandium(III)-*inda*-Pybox as the catalyst. It represents the first example focusing on systematic study of asymmetric synthesis of DHBDs, and a series of enantioselective 3-alkyl, or 3-aryl DHBDs were obtained with up to 93% ee.

**Keywords:** asymmetric synthesis, scandium triflate, chiral aminals, Pybox, benzothiadiazine

### 1. Introduction

3,4-Dihydro-2H-1,2,4-benzothiadiazine-1,1-dioxides (DHBDs) are an important class of substances with a wide range of biological activities and pharmacological values, which always be used as antihypertensive and

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