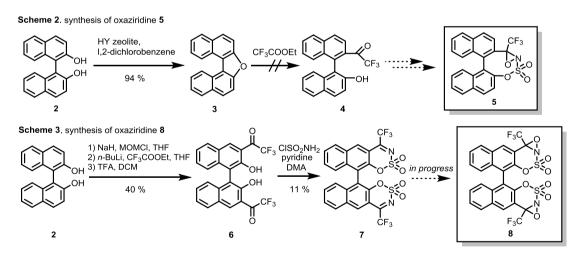
1B3b

Synthetic studies of the new oxaziridines bearing electron-withdrawing substituent for asymmetric C-H functionalization

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In this study, we examined synthesis of new oxaziridines **5**, **8** bearing electron-withdrawing substituent for stereoselective C-H functionalization. First, we designed the new oxaziridine **5** (Scheme 2). However, ketone **4** was not obtained in spite of several attempts. Next, we examined synthesis of the new oxaziridine **8** (Scheme 3). Binaphtyl derivative **6** was prepared by a known procedure from BINOL **2** and converted to bis-imine **7**. Now, oxidation of bis-imine **7** is in progress.



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