

## Facial Synthesis of Versatile Chiral Norbornenes as Leukotriene D4 Antagonists from D-glucose

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### Abstract

Chiral dienophile **5** was synthesized from D-glucose by consecutive diisopropylideneation, partial deprotection, diol cleavage, and Wittig reactions. Under thermal conditions, asymmetric Diels-Alder reaction between chiral dienophile and cyclopentadiene gave four possible chiral norbornenes stereoisomers whose absolute configurations were determined through CADD and NMR.<sup>1</sup>)

### Reference

1. Koh, D., Park, K. H., Lee, H., Jung, J. and Lim Y. Resveratrol derivatives showing the leukotriene D4 antagonism. (2001) *Agric. Chem. Biotechnol.* 44, 32-34.