

# Remote regio- and stereocontrol by the sulfinyl group: Diels-Alder reaction of sulfinyl dienols and 8,8-dimethylnaphthalene-1,4,5(8H)-trione

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Diels-Alder cycloaddition of 8,8-dimethylnaphthalene-1,4,5(8H)-trione with diastereomeric hydroxysulfinyldienes proceeded with high yields and good  $\pi$ -facial and regioselectivities. The hydroxysulfoxide moiety controls the regio- and stereoselectivities, through hydrogen bonds in the suggested transition state. © 2012 Elsevier Ltd. All rights reserved.