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NEW CHIRAL ELECTROPHILIC SELENIUM REAGENTS: SYNTHESIS AND STRUCTURAL INVESTIGATION

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Synthesis and Synthetic Applications



entry	R*	Yield %
а		70
b		60

The diselenide **2** was purified by crystallization and easily converted into 2,2'diselenobisbenzoates **3a,b** by treatment in the stereospecific Mitsunobu conditions with two optically pure alcohols the menthol, and the isopropyl-lactate respectively.

The methoxyselenenylation of styrene afforded the selenide **5** in good yield and moderate diastereomeric excess.



S-O interaction by ⁷⁷Se Chemical Shifts

