

手性双季铵盐诱导下的硝基甲烷与查而酮的Michael反应

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摘要 为了探讨手性含1,3-亚乙氧基链双季铵盐在立体选择性反应中的不对称诱导效果,研究了硝基甲烷与查而酮的Michael加成反应。

关键词 [查耳酮](#) [季铵](#) [不对称诱导](#) [硝基甲烷](#) [迈克尔反应](#)

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### Chiral Bis-quaternary ammonium salts induction michael addition of nitromethane and chalcone

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**Abstract** The chiral bis-quaternary ammonium salts, 1,8-bis[(1S,2R)-N-(2-hydroxy-1-methyl-2-phenyl)ethyl-N,N-dimethylammonium]-3,6-dioxaoctane diiodide and 1,11-bis[(1S,2R)-N-(2-hydroxy-1-methyl-2-phenyl)ethyl-N,N-dimethylammonium]-3,6,9-trioxaundecane diiodide were synthesized and their asym. induction effect in Michael addition of nitromethane and chalcone was studied. The enantiomeric excess was 27.0%. The effect of solvents on the stereoselectivity was also discussed.

**Key words** [CHALCONE](#) [QUATERNARY AMMONIUM COMPOUNDS](#) [ASYMMETRY INDUCTION](#) [NITROCARBOL](#)

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