胺类化合物与4,4'-二氟苯偶酰的亲核取代反应研究

阮继武,黄忠京,符立梧,马林,古练权

中山大学化学与化学工程学院;广西民族学院化学化工系;中山大学肿瘤防治 中心

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摘要 应用胺类化合物与4,4'-二氟苯偶酰的亲核取代反应合成了多种对称或不对称 的4,4'-双(二烷氨基)苯偶酰。结构经元素分析,IR,~1H NMR和MS确定,其中 伯胺与4,4'-二氟苯偶酰的反应得到了一边取代、另外一边形成亚胺结构的产物, 并对此反应机理进行了探讨。

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Study on the Nucleophilic Substitutions of 4,4'-Difluorobenzil with Amines

Ruan Jiwu, Huang Zhongjing, Fu Liwu, Ma Lin, Gu Lianguan

School of Chemistry and Chemical Engineering, Zhongshan University; Department of Chemistry and Chemical Engineering, Guangxi Institute for Nationalities; Cancer Center, Zhongshan University

Abstract Some symmetric and asymmetric 4,4'-bis(dialkylamino)benzils have been synthesized through the nudeophilic substitutions of 4, 4'-difLuorobenzil with amines. Their structures have been characterized by EA, IR, :H NMR and MS spectra. When primary amines were employed for the reaction, both the substitution and condensation occured in the substrate molecule. The mechanism of this reaction was discussed as well.

Key wordsaminedifluorobenzilNUCLEOPHILIC REACTIONSUBSTITUTION REACTIONREACTIONMECHANISMELEMENTAL ANALYSISIR1HNMRMS

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