二维异核相关实验方法的比较研究

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摘　要：本工作在实验的基础上对几种同类功能的二维异核相关实验的优势和局限进行讨论。结果反映核磁共振具有实验方法多样化的技术特点，并重要指出：在实际工作中，为获取丰富和可靠NMR谱图信息，核磁共振工作者应该根据实验目的、样品特点和拟解决的问题对实验方法与实验参数进行合理的选择。

关键词：核磁共振,二维异核相关谱,实验选择

Comparative investigation on 2-Dimensional heteronuclear correlation spectroscopy

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Abstract: In this work,the abvantages and limitations of several 2-dimensional heteronuclear correlation experiments were discussed,based on the practical trials of a real sample.It was shown that the unique property of multi-choice would greatly affect the application of nuclear magnetic resonance.However,the reasonable selection between disimilar but suitable methods would depend on a couple of elements such as the properties of testing samples,the purpose of experiments and etc.In another word,a NMR worker has to make the method suitable and abjust the experimental parameters correctly for obtaining the crebible NMR information as more as possible.

Key words: Nuclear magnetic resonance,2-Dimensional heteronuclear correlation spectroscopy,Experiment selection