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鱼油中不饱和脂肪酸2-烯基苯并噁唑衍生物的EIMS和CID谱研究

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摘要 本文利用ＥＩＭＳ和ＭＩＫＥ谱研究了不饱和脂肪酸２－烯基苯并唑衍生物的双键定位规则，并对鱼油中具有重要营养和医药价值的ω－３型多不饱和脂肪酸进行了定性和定量分析。

关键词 脂肪酸 碰撞诱导解离 电子轰击 质谱

分类号

Abstract A Study on Unsaturated Fatty Acids in Fish Oil by EIMS and CID Spectroscopy of 2-Alkenylbenzoxazoles$$$$Dong Zhenwen;Sun Zhuolian;Cao Zhongmin(Dalian University of Technology,Dalian 116012,China)Fang Yuan(Dalian Center Hospital,Dalian 116033,China)Received Abstract:In this paper o-aminophenol was used to derivatize the unsaturated fatty acid so as to fix the double bond whose positions were determined by GC/EIMS and CID/MIKE spectroscopy.It was found that the amount of ω-3 PUFAs in fish oil differs with the kinds of fish and changes with the time of storage.Keywords:fatty acid,collision induced dissociation,electron impact,mass spectrometry

Key words

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