



### 7种梨子的香气成分

陶晨<sup>1,2</sup>, 王道平<sup>1</sup>, 杨小生<sup>1</sup>, 余跃生<sup>2</sup>

1. 中国科学院天然产物化学重点实验室, 贵州贵阳 550002;
2. 黔南民族高等医学专科学校, 贵州都匀 558000

### Analysis aroma components in seven kinds of pears by SPME coupled with GC-MS

TAO Chen<sup>1,2</sup>, WANG Dao-ping<sup>1</sup>, YANG Xiao-sheng<sup>1</sup>, YU Yue-sheng<sup>2</sup>

1. The Key Laboratory of Chemistry for Natural Products, Chinese Academy of Sciences, Guiyang 550002, China;
2. Qiannan Medical College for Nationalities, Duyun 558000, China

- 摘要
- 参考文献
- 相关文章

全文: PDF (926 KB) HTML (1 KB) 输出: BibTeX | EndNote (RIS) 背景资料

**摘要** 研究不同种类7种梨子的香气成分.用固相微萃取和气相色谱-质谱联用仪对梨子中的香气成分进行分析测试.从7种梨子中共鉴定出14种香气化学成分.其中酯类10种,烯炔类4种.梨子香气中主要成分为酯类,次要成分为烯炔,含量较多的成分为乙酸己酯、 $\alpha$ -法呢烯.酯类和烯炔类香气成分可以作为梨子品质评价的指标之一.

**关键词:** 梨子 香气成分 固相微萃取 气相色谱-质谱

**Abstract:** Aroma components in seven kinds of pears were investigated. Aroma components in pear were determined and analyzed by method of solid-phase microextraction (SPME) coupled with gas chromatography-mass spectrometry (GC/MS). Fourteen components including ten esters and four alkenes were identified from seven kinds of pears. Major aroma components in pear were esters, minor were alkenes acetic acid hexyl ester and  $\alpha$ -farnesene were the two main constituents. It was cleared that aroma components of esters and alkenes should be a guideline for quality evaluation of pears.

**Key words:**

收稿日期: 2009-12-03;

通讯作者: 杨小生(1966-),男,研究员,博士,主要从事天然产物研究与开发, E-mail: gzcnp@yahoo.com.cn.

引用本文:

陶晨,王道平,杨小生等. 7种梨子的香气成分[J]. 云南大学学报(自然科学版), 2010, 32(4): 449-452 .

\$author.xingMing\_EN, \$author.xingMing\_EN, \$author.xingMing\_EN et al. Analysis aroma components in seven kinds of pears by SPME coupled with GC-MS [J]. , 2010, 32(4): 449-452 .

没有本文参考文献

[1] 刘志云. 云南解化集团鲁奇法中低温煤焦油的组成分析[J]. 云南大学学报(自然科学版), 2009, 31(6): 608-615 .

#### 服务

- ▶ 把本文推荐给朋友
- ▶ 加入我的书架
- ▶ 加入引用管理器
- ▶ E-mail Alert
- ▶ RSS

#### 作者相关文章

- ▶ 陶晨
- ▶ 王道平
- ▶ 杨小生
- ▶ 余跃生

版权所有 © 《云南大学学报(自然科学版)》编辑部

编辑出版：云南大学学报编辑部（昆明市翠湖北路2号, 650091）

电话：0871-5033829(传真) 5031498 5031662 E-mail: yndxxb@ynu.edu.cn yndxxb@163.com