

研究简报

猴头菌寡糖的分离及其结构确定

姜瑞芝¹, 王颖², 陈英红¹, 高阳¹, 黄恩喜¹, 高其品³

1. 吉林省中医中药研究院, 长春 130021;
2. 吉林大学生命科学学院, 长春 130023;
3. 长春中医药大学研发中心, 长春 130061

收稿日期 2006-9-11 修回日期 网络版发布日期 2007-7-14 接受日期

摘要 报道了从猴头菌浸膏中分离出猴头菌二糖和三糖, 并确定了其化学结构.

关键词 [猴头菌浸膏](#) [寡糖](#) [电喷雾多级串联质谱](#)

分类号 [0629](#) [0657](#)

Separation and Structural Identification of *Hericium Erinaceur* Oligosaccharide

JIANG Rui-Zhi¹, WANG Ying², CHEN Ying-Hong¹, GAO Yang¹, HUANG En-Xi¹, GAO Qi-Pin^{3*}

1. Academy of Chinese Medicine and Material Medical of Jilin Province, Changchun 130021, China;
2. School of Life Science, Jilin University, Changchun 130023, China;
3. Chinese Medicine and Material Medical University of Changchun, Centre of Study and Development, Changchun 130062, China

Abstract It has been reported that the polysaccharide is the main active constituent of *Hericium erinaceur*. A series of oligosaccharide(mixtures of disaccharide and heptasaccharide of *Hericium erinaceur*) were separated from *Hericium erinaceur* by empty-fibrin filtration. Disaccharide and trisaccharide were purified via HPLC with NH₂ column. Component sugars and glycosidic linkage ways were analysed via GC and GC-MS. Electrospray ionization tandem mass spectrometry(MSⁿ) was used for the oligosaccharides structure study and the result shows that the disaccharide has two kind of structural styles and trisaccharide has one kind of structural style.

Key words [Hericium erinaceur](#) [Oligosaccharide](#) [Electrospray ionization tandem mass spectrometry](#)

DOI:

通讯作者 高其品 gaoqipin@sina.com

扩展功能

本文信息

▶ [Supporting info](#)

▶ [PDF\(279KB\)](#)

▶ [\[HTML全文\]\(0KB\)](#)

▶ [参考文献](#)

服务与反馈

▶ [把本文推荐给朋友](#)

▶ [加入我的书架](#)

▶ [加入引用管理器](#)

▶ [复制索引](#)

▶ [Email Alert](#)

▶ [文章反馈](#)

▶ [浏览反馈信息](#)

相关信息

▶ [本刊中 包含“猴头菌浸膏”的 相关文章](#)

▶ 本文作者相关文章

· [姜瑞芝](#)

· [王颖](#)

· [陈英红](#)

· [高阳](#)

· [黄恩喜](#)

· [高其品](#)