

# 中 国 海 洋 药 物

## ZHONGGUO HAIYANG YAOWU

第 34 卷 第 5 期(总第 167 期) 2015 年 10 月

### 目 次

#### 研究报告

- 1 种  $\beta$ -葡聚糖的结构表征及其体外免疫活性研究 ..... 丛大鹏,郝杰杰,祝贺,等(1)  
抗凝血活性海洋硫酸多糖 HP1-1 的结构研究 ..... 李娜,李菁,刘雪,等(7)  
葡萄糖胺和麦芽糖胺—过渡金属配合物的合成和结构表征 ..... 张仁帅,周义宗,任素梅,等(13)  
葡萄糖- $\beta$ -(1→4)-半乳糖二糖片段的合成 ..... 吕绪栋,王鹏,吴智勇,等(19)  
羧甲基壳寡糖对阿尔茨海默病模型大鼠的作用研究 ..... 刘贵娟,李卓悦,石杰,等(26)  
鲫鱼卵唾液酸糖蛋白抑制小鼠破骨细胞的分化机制研究 ..... 于哲,王静凤,毛磊,等(33)  
海参皂苷单体 Echinoside A 在大鼠体内的消化吸收特性初步研究 ..... 宋姗姗,张铃玉,刘小芳,等(41)  
 $\alpha$ B-芋螺毒素 VxXXIVA 与  $\alpha$ 9 $\alpha$ 10 乙酰胆碱受体结合特性的研究 ..... 长孙东亭,朱晓鹏,吴勇,等(47)  
皱瘤海鞘乙醇提取物对 HSV-2 基因复制的影响 ..... 周至品,叶晓雪,曾凡林(54)  
蓝贻贝抗凝肽的合成及活性初步研究 ..... 赵红玲,李松涛,王小青,等(59)  
1 株产  $\alpha$ -环糊精葡萄糖基转移酶菌株的产酶条件优化 ..... 张晓磊,郝建华,郑鸿飞,等(63)

#### 研究简报

- 文蛤不同极性提取物对糖尿病小鼠降血糖作用的研究 ..... 严晓丹,钱建瑛,许泓瑜,等(71)  
高效液相色谱法测定氨基葡萄糖拟肽的含量 ..... 贺小玲,洪碧红,陈永强,等(77)  
青环海蛇抗菌肽改造体凝胶剂有效成分的含量测定 ..... 赵海婷,张秀娟,曲桂武,等(81)

#### 综 述

- 星虫动物的化学成分及药理作用研究进展 ..... 吴雅清,姜宏瑛,刘接卿,等(86)  
海洋来源的多糖类可生物降解材料 ..... 张琳,牟素萍,张毅,等(93)

期刊基本参数:CN37-1155/R \* 1982 \* b \* 16 \* 98 \* zh \* P \* ¥16.00 \* 600 \* 16 \* 2015-10

本期责任编辑:于卫 英文编辑:徐雪莲

# CHINESE JOURNAL OF MARINE DRUGS

Volume 34 Number 5 2015 October

## CONTENTS

### Original Articles

- Structural characterization and immune activity of a  $\beta$ -glucan from *Durvillaea Antarctica* ..... CONG Da-peng, HAO Jie-jie, ZHU He, et al(1)  
Structural characterization of the marine sulfated polysaccharide HP1-1 with anticoagulant activity ..... LI Na, LI Jing, LIU Xue, et al(7)  
Synthesis and characterization of glucosamine and maltamine-transition metal coordination complexes ..... ZHANG Ren-shuai, ZHOU Yi-zong, REN Su-mei, et al(13)  
Synthesis of  $\beta$ -Glc-(1 $\rightarrow$ 4)- $\beta$ -Gal disaccharide block ..... LV Xu-dong, WANG Peng, WU Zhi-yong, et al(19)  
Study on the carboxymethyl chitosan oligosaccharide effect of rats models with Alzheimer's disease ..... LIU Gui-juan, LI Zhuo-yue, SHI Jie, et al(26)  
Study on the mechanisms of *Carassius auratus* sialoglycoproteins in suppressing the differentiation of osteoclast ..... YU Zhe, WANG Jing-feng, MAO Lei, et al(33)  
The preliminary study on the digestion and absorption characteristics of sea cucumber saponins Echinoside A in rats ..... SONG Shan-shan, ZHANG Ling-yu, LIU Xiao-fang, et al(41)  
Binding characteristics of  $\alpha$ B-Conotoxin VxXXIVA on  $\alpha$ 9 $\alpha$ 10 nicotinic acetylcholine eceptor ..... ZHANGSUN Dong-ting, ZHU Xiao-peng, WU Yong, et al(47)  
Effect of the ethanol extracts from *Styela plicata* on the replication of HSV-2 DNA ..... ZHOU Zhi-pin, YE Xiao-xue, ZENG Fan-lin(54)  
Preliminary study on synthesis and activity of blue mussel anticoagulant peptide ..... ZHAO Hong-ling, LI Song-tao, WANG Xiao-qing, et al(59)  
Optimized fermentation of a cyclomaltodextrin glucanotransferase producing strain ..... ZHANG Xiao-lei, HAO Jian-hua, ZHENG Hong-fei, et al(63)

### Research Notes

- Hypoglycemic effect of different extracts from *Meretrix meretrix* in diabetic mice ..... YAN Xiao-dan, QIAN Jian-ying, XU Hong-yu, et al(71)  
Detection of glucosamine peptide mimetics by HPLC ..... HE Xiao-ling, HONG Bi-hong, CHEN Yong-qiang, et al(77)  
Content determination of effective constituent in body transformation gels of hydrophis cyanocinctus antimicrobial peptide ..... ZHAO Hai-ting, ZHANG Xiu-juan, QU Gui-wu, et al(81)

### Reviews

- Advances of chemical components and pharmacological properties of Sipuncula ..... WU Ya-qing, JIANG Hong-ying, LIU Jie-qing, et al(86)  
Advances on polysaccharides biodegradable materials of marine sources ..... ZHANG Lin, MU Su-ping, ZHANG Yi, et al(93)