

天然产物研究

## 毛冬青中三萜皂苷的ESI-MS质谱特征

杨运云<sup>1</sup>; 陈建新<sup>2</sup>; 吴庆晖<sup>1</sup>; 郭鹏然<sup>1</sup>

1. 中国广州分析测试中心, 广东省化学危害应急检测技术重点实验室, 广东 广州 510070

2. 华南农业大学兽医学院, 广东省兽药研制与安全评价重点实验室, 广东 510642

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摘要

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## ESI-MS Characteristic of Triterpene and Saponin in Radix Ilicis Pubescentis

YANG Yun-yun<sup>1</sup>, CHEN Jian-xin<sup>2</sup>, WU Qing-hui<sup>1</sup>, GUO Peng-ran<sup>1</sup>

1. Guangdong Key Laboratory of Chemical Emergency Test, China National Analytical Center, Guangzhou 510070, China; 2. Guangdong Provincial Key Laboratory of Veterinary Pharmaceuticals Development and Safety Evaluation, College of Veterinary Medicine, South China Agricultural University, Guangzhou 510642, China

**Abstract** Triterpene and saponin in Radix ilicis pubescentis were identified by HPLC-MS. The sample was extracted with methanol, and analyzed by HPLC-IT-MS and HPLC-TOF-MS to obtain the positive-ion and negative-ion MS<sup>1</sup> and MS<sup>2</sup> spectra together with extract molecular weights. Night triterpenoid saponins were identified, and two of them were confirmed by reference substances. The ESI-MS characteristic of triterpene and saponin in Radix ilicis pubescentis was summarized, and the proposed fragmentation mechanism based on ilexgenin A was illustrated.

**Key words** Radix ilicis pubescentis triterpene and saponin HPLC-MS

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