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GC-MS Explores the Health Care Components in The Extract of Pterocarpus Pedatus Pierre

GC-MS explores the health care components in the extract of Pterocarpus pedatus Pierre

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ABSTRACT

Pterocarpus a high-end, expensive furniture materials collectively. Pterocarpus and Pterocarpus products have a certain human health function. Therefore, this paper to Pterocarpus pedatus Pierre as an example, to study its extract on human health beneficial health care ingredients. FT-IR analysis showed that the infrared transmittance of Pterocarpus pedatus Pierre powder after ethanol/benzene extraction was the highest in the infrared spectrum of 400cm^{-1} - 800cm^{-1} , 2750cm^{-1} - 3200cm^{-1} wave number. In the 1750cm^{-1} - 2400cm^{-1} wave segment, methanol, ethyl acetate and ethanol/benzene after the extraction of Pterocarpus pedatus Pierre powder infrared transmittance increased values are basically the same. GC-MS analysis, the health care ingredients in the Pterocarpus pedatus Pierre have cough and phlegm, heat detoxification, enhance human immunity, analgesic and anti-inflammatory and so on. Among them, Homopterocarpin is excellent in inhibiting and killing cancer cell activity; Cryptomeridiol is a natural product with anti-Alzheimer's disease and antispasmodic nature, and its medicinal value is remarkable. Scoparone has a wide range of pharmacological values.

Keywords: Pterocarpus, Pterocarpus pedatus Pierre, FT-IR, GC-MS, extractives, health care ingredients

1. INTRODUCTION

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