

论文

胡萝卜子(假鹤虱)的初步化学研究

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摘要:

关键词:

A CHEMICAL STUDY OF CHINESE DRUG—FALSE HO-HSIH, THE FRUIT OF *DAUCUS CAROTA*, L. (UMBELLIFERAE)

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Abstract:

According to our preliminary work, the crystalline substances isolated from the Chinese drug-False Ho-Hsih, the fruit of *Daucus carota*, L., are composed of two kinds of sterols, one in prism, m. p. 108-109°C, and the other in rhomboid-crystal, m. p. 205°C, both not previously reported. The white-crystal is of unknown constitution, m. p. 52-53°C, with an empirical formula of C<sub>40</sub>H<sub>82</sub>. The yellowish prismatic crystal line compound of anthraquinone-like compound, m. p. 230°C with decomposition and its empirical formula is C<sub>16</sub>H<sub>17</sub>O<sub>8</sub>. Preliminary experiment indicates that the yellowish crystals inhibit the growth of dysenteric bacillus, even in a dilution at 125 γ per ml. This confirms the statement in Pen Tsao (Chinese materia medica) that the fruit of *Daucus carota*, L. is useful in the treatment of chronic dysentery.

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