

研究论文

杀虫植物苦皮藤种子的倍半萜酯

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摘要 *Celastrus angulatus* Max. is a significant insecticidal plant dispersed widely over our country. For its antifeeding value, the roots have been studied chemically as a result of some new sesquiterpene polyester[1,2]. The bioactive tests of its seed oil showed highly antifeedant effect on *Pieris rapae*, *Aulacophora femoralis*, *Henosepilachna vigintioctopunctata*, *Locastra muscosalis*, *Colaphilus bowringi* and *Calospilos suspecta*[3,4]. In this continuing communication we report eight new sesquiterpene polyesters (1-8) isolated from the seeds of the plant by means of distribution and chromatography. Their structure have been characterized by spectroscopic and chemical methods and relate to dihydro- β -agarofuran skeleton as follows.

关键词 [Celastrus angulatus](#) [Sesquiterpene polyester](#) [Dihydro- \$\beta\$ -agarofuran](#) [Insecticide](#)

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