

Cytotoxic β -Dihydroagarofuran Sesquiterpenoids from the Fruits of *Celastrus orbiculatus*

Jing Xu^a, Yuan-Qiang Guo^{a,*}, Xian Li^{b,*}, Kun Wei^c, Xiaojun Zhao^d,
and Shuzhong Zhang^e

^a Department of Pharmaceutical Sciences, Nankai University, Tianjin 300071, P.R. China.
E-mail: victgyq@163.com

^b Research Department of Natural Medicine, Shenyang Pharmaceutical University,
Shenyang 110016, P.R. China

^c School of Chemical Science and Technology, Yunnan University, Yunnan 650091,
P.R. China

^d College of Chemistry & Life Sciences, Tianjin Normal University, Tianjin 300387,
P.R. China

^e State Key Laboratory of Elemento-organic Chemistry, Nankai University, Tianjin 300071,
P.R. China

* Authors for correspondence and reprint requests

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Assay-guided fractionation led to the isolation of nine β -dihydroagarofuran sesquiterpenoids from the fruits of *Celastrus orbiculatus*. All isolated β -dihydroagarofuran sesquiterpenoids were tested for their cytotoxic activity against human melanoma A375-S2 and human cervical carcinoma Hela cell lines. Among them, compounds **1–5** and **7** showed cytotoxic activity. Compound **3** exhibited promising cytotoxicity against both human melanoma A375-S2 and human cervical carcinoma Hela cell lines. The structure-activity relationship was discussed briefly.

Key words: *Celastrus orbiculatus*, Sesquiterpenoids, Cytotoxic Activity