

研究论文

## 大萼香茶菜中的新二萜化合物

石浩<sup>1</sup>, 何山<sup>1</sup>, 何兰<sup>2</sup>, 潘远江<sup>1</sup>

1. 浙江大学化学系, 杭州 310027;
2. 北京师范大学化学系, 北京 100085

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**摘要** 报道从大萼香茶菜叶的乙醇提取物中分离得到一种新的二萜类化合物, 并命名为大萼香茶菜癸素(1). 其药理活性实验结果证明, 该化合物对体外培养的Hela细胞有较强的抑制作用.

**关键词** [大萼香茶菜](#) [B断裂贝壳杉烯](#) [大萼香茶菜癸素](#)

分类号 [0629.6+1](#)

## New Diterpenoid Compound from *Rabdosia macrocalyx*

SHI Hao<sup>1</sup>, HE Shan<sup>1</sup>, HE Lan<sup>2</sup>, PAN Yuan-Jiang<sup>1</sup>

1. Department of Chemistry, Zhejiang University, Hangzhou 310027, China;
2. Department of Chemistry, Beijing Normal University, Beijing 100085, China

### Abstract

On the basis of the investigation on natural product antitumor agents, a new diterpenoid named macrocalyxin J was isolated from the leaves of *Rabdosia macrocalyx*(Dunn) Hara by silica gel column chromatography. Based on IR, MS, <sup>1</sup>H NMR, <sup>13</sup>C NMR and 2D NMR spectroscopies, the structure of macrocalyxin J was determined as (1*a*,6*β*,11*β*,14*a*)-1,7:6,20-diepoxy-6,11-dihydroxy-6,7-seco-ent-kaurene-16-ene-7,15-dione-14-acetate. The antitumor activity of the compound was assayed by MTT method. Macrocalyxin J was shown to have a potency *in vitro* against the cultures of Hela cells.

**Key words** [Rabdosia macrocalyx](#) [B-seco-ent-kaurene](#) [Macrocalyxin J](#)

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通讯作者 潘远江 [panyuanjiang@zju.edu.cn](mailto:panyuanjiang@zju.edu.cn)

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