

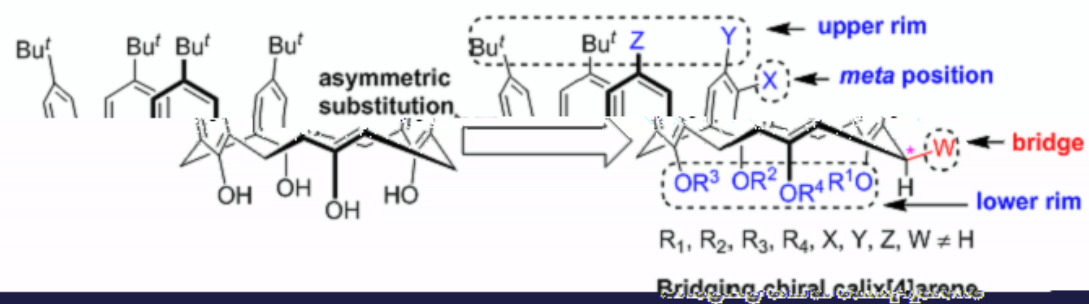
	A408		022-8333 6659-815		lishaoyong@tmu.edu.cn				

2002.9-2005.7

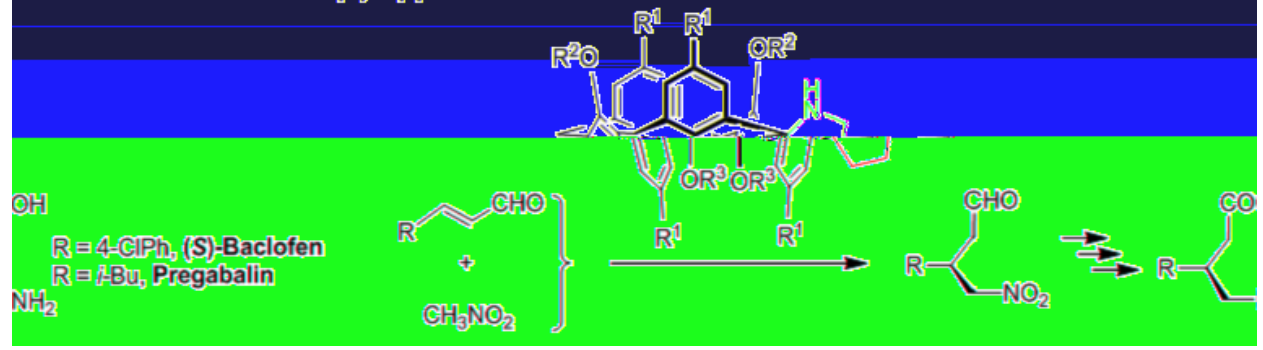
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1. [4] [4] [4]

**(1) Bridging chiral calix[4]arene**

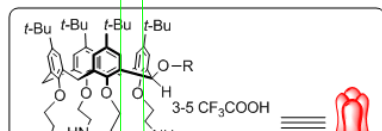


**(2) Application**

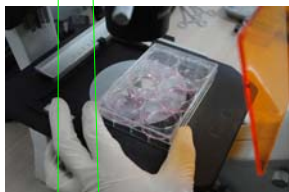


2. [4]

[4]



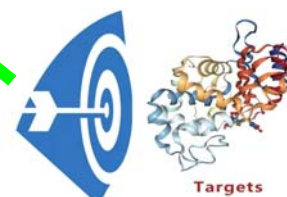
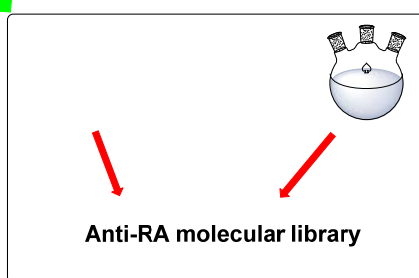
3.



Bioassay

p-ERK1

Molecular mechanism



Target validation

2011	<ol style="list-style-type: none"> <li>1. Dong-Li Zhang, Yue Wang, Jing-Bo Liu, Qian Chen, <b>Shao-Yong Li</b>, De-Jun Jin,* Sheng-An Tang.* Dichapetalin-type triterpenoids from <i>Dichapetalum longipetalum</i> and their anti-inflammatory activity. <i>Phytochemistry</i>, <b>2024</b>, <i>217</i>, 113900.</li> <li>2. Xin-Ao Li, Yi-Meng Zhang, Jian-Feng Huang, Chao-Ping Hou, <b>Shao-Yong Li</b>, Li-Min Xiao, Jun-Min Liu.* A direct Z-scheme quasi-2D/2D heterojunction constructed by loading photosensitive metal–organic nanorings with Pd single atoms on graphitic–C<sub>3</sub>N<sub>4</sub> for superior visible light-driven H<sub>2</sub> production. <i>Solar RRL</i>, <b>2023</b>, <i>7</i>, 2300148.</li> <li>3. Xiaopu Jia, Shuai Fan, Weili Dong, <b>Shaoyong Li</b>, Yan Zhang, Ying Ma, Shuqing Wang. Setmelanotide optimization through fragment-growing, molecular docking in-silico method targeting MC4 receptor. <i>Journal of Biomolecular Structure &amp; Dynamics</i>, <b>2023</b>, <i>41</i>, 15411-15420.</li> <li>4. Ying-Hong Ma#, Yu Yu#, Shuai Fan, Xiao-Pu Jia, Sheng-An Tang, Shu-Qing Wang,* Wei-Li Dong*, <b>Shao-Yong Li</b>.* Calix[4]arene bridge mononitration with <i>tert</i>-butyl nitrite: synthesis of bridging chiral <i>p</i>-<i>tert</i>-butylcalix[4]arene with a mononitro bridge substituent. <i>The Journal of Organic Chemistry</i>, <b>2022</b>, <i>87</i>, 7665-7672.</li> <li>5. Ting-Ting Ding#, Ya-Ya Liu#, Li-Ming Zhang, Jia-Rui Shi, Wei-Ren Xu, <b>Shao-Yong Li</b>,* Xian-Chao Cheng.* Exploring dual agonists for PPAR<math>\alpha</math>/<math>\gamma</math> receptors using pharmacophore modeling, docking analysis and molecule dynamics simulation. <i>Combinatorial Chemistry &amp; High Throughput Screening</i>, <b>2022</b>, <i>25</i>, 1450-1461.</li> <li>6. Fuhang Song#, Jiansen Hu#, Xinwan Zhang, Wei Xu, Jinpeng Yang, <b>Shaoyong Li</b> and Xiuli Xu.* Unique cyclized thiolopyrrolones from the marine-Derived <i>Streptomyces</i> sp. BTBU20218885. <i>Marine Drugs</i>. <b>2022</b>, <i>20</i>, 214.</li> <li>7. Pengfei Jin, Min Li, <b>Shaoyong Li</b>, Hongquan Yin, Shengan Tang. * Study on chemical constituents in <i>Ferula feruloides</i>. <i>Transactions of Beijing Institute of Technology</i>, <b>2022</b>, <i>42</i> (2), 215-222.</li> <li>8. Chao-Ping Hou, Xin-Lun Chen, Zhi-Jian Huang, Yang Lei, Li-Min Xiao, Jian-Feng Huang,* <b>Shao-Yong Li</b>,* Jun-Min Liu.* Robust heterogeneous photocatalyst for visible-light-driven hydrogen evolution promotion: immobilization of a fluorescein dye-encapsulated metal-organic cage on TiO<sub>2</sub>. <i>ACS Applied Materials &amp; Interfaces</i>. <b>2021</b>, <i>13</i>, 57230-57240.</li> <li>9. Fan Zhang, Yuan Jiang, Pan Jiao, <b>Shaoyong Li</b>, Cheng Tang. Ligand fishing via a monolithic column coated with white blood cell membranes: a useful technique for screening active compounds in <i>Atractylodes lancea</i>. <i>Journal of Chromatography A</i>, <b>2021</b>, <i>1656</i>, 462544.</li> <li>10. Dong-Li Zhang, Min Li, Gui-Fang Han, <b>Shao-Yong Li</b>,* De-Jun Jin,* Sheng-An Tang.* Longipetalol A: a highly modified triterpenoid from <i>Dichapetalum longipetalum</i>. <i>Journal of Natural Products</i>. <b>2021</b>, <i>84</i>, 1556-1562.</li> <li>11. Dong-Li Zhang, Min Li, Wen-Feng Xu, Huan Yu, Peng-Fei Jin, <b>Shao-Yong Li</b>,* Sheng-An Tang.* Nine new dichapetalin-type triterpenoids from the twigs of <i>Dichapetalum gelonioides</i> (Roxb.) Engl. <i>Fitoterapia</i>, <b>2021</b>, <i>151</i>, 104868.</li> <li>12. Xin-Bang Peng#, Di He#, Guan-Nan Sun, Yu Yu, Ying-Hong Ma, Sheng-An Tang,* Wei-Li</li> </ol>

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	<p>3. <span style="float: right;">2 - 1-</span> [4] <span style="float: right;">№. 21272173</span> 4. UPy/NAPy <span style="float: right;">( )</span> №. 91227105 5. №. 2006x9d2</p>