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Graphical Abstracts/Chin Chem Lett 25 (2014) iii-x

Original articles

QAAR exploration on pesticides with high solubility: An investigation on sulfonylurea herbicide dimers formed through π–π stacking interactions

Chinese Chemical Letters 25 (2014) 973

Shuang Xia[a], Yue Feng[a], Jia-Gao Cheng[a], Hai-Bin Luo[c], Zhong Li[a], Zheng-Ming Li[b]

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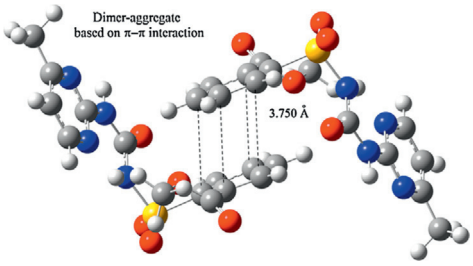
QAAR studies were performed on the dimeric aggregates of highly soluble sulfonylurea herbicides formed through π–π stacking interactions.



Design, synthesis and biological evaluation of E-ring modified evodiamine derivatives as novel antitumor agents

Chinese Chemical Letters 25 (2014) 978

Kun Fang[a], Guo-Qiang Dong[a], Hai Gong[b], Na Liu[a], Zhen-Gang Li[a], Shi-Ping Zhu[a], Zhen-Yuan Miao[a], Jian-Zhong Yao[a], Wan-Nian Zhang[a], Chun-Quan Sheng[a]

[a]*School of Pharmacy, Second Military Medical University, Shanghai 200433, China*
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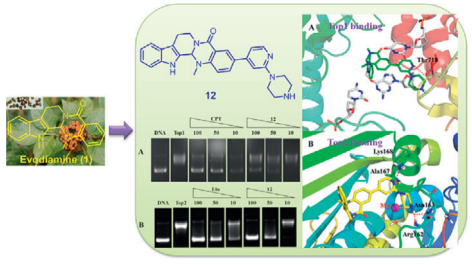
A series of novel E-ring modified evodiamine derivatives were designed and synthesized as antitumor agents. Compound **12** showed good antitumor activity with a broad spectrum, which acted by dual inhibition of topoisomerase I and II.



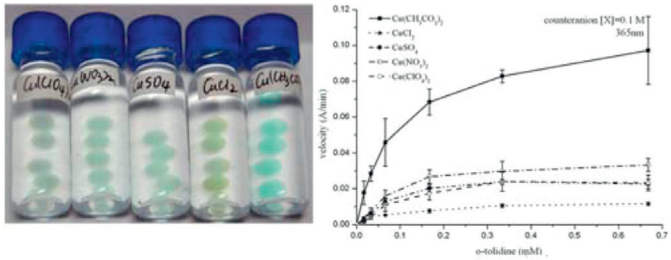
Influence of counteranions on catalytic ability of immobilized laccase in Cu-alginate matrices: Inhibition of chloride and activation of acetate

Chinese Chemical Letters 25 (2014) 983

Ting Pan, Yao-Jin Sun, Xiao-Lei Wang, Ting Shi, Yi-Lei Zhao

State Key Laboratory of Microbial Metabolism, School of Life Sciences & Biotechnology, Shanghai Jiao Tong University, Shanghai 200240, China

Counteranion is crucial for the enzyme activity of laccase immobilized with the Cu-alginate entrapment.



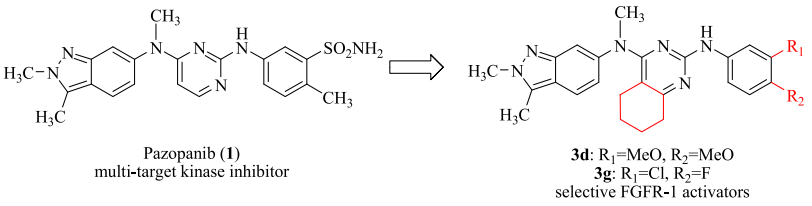
doi:10.1016/S1001-8417(14)00319-2

Chinese Chemical Letters 25 (2014) 989

Discovery and synthesis of N^2,N^4-substitued-cycloalkyl[*d*] pyrimidine-2,4-diamine analogs: The first examples of small-molecular FGFR-1 activator

Bao-Li Li[a], Fang Xiao[b], Wen-Chao Lu[c], Yu-Yun Sun[a], Jin Zhu[a], Jian Li[a]

[a]*Shanghai Key Laboratory of New Drug Design, School of Pharmacy, East China University of Science and Technology, Shanghai 200237, China*
[b]*Department of Pharmacy, The Second Hospital of Jilin University, Jilin 130041, China*
[c]*China Resources Double-Crane Pharmaceutical Co., Ltd., Beijing 100121, China*



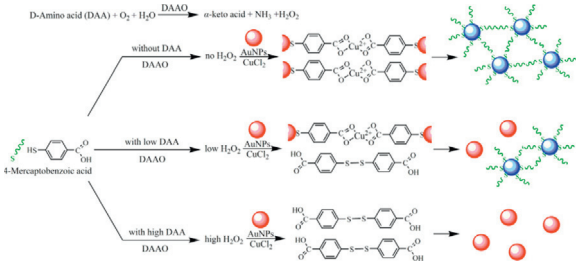
A series of novel, cycloalkyl-modified pazopanib analogs were designed and synthesized. Compounds **3d** and **3g** showed double-digit, nanomolar selective activation effects on FGFR-1, and could be classified as first-generation small molecular activators of FGFR-1 kinase.

Chinese Chemical Letters 25 (2014) 995

Colorimetric detection of D-amino acids based on anti-aggregation of gold nanoparticles

Long-Fei Yuan[a], Yu-Jian He[a,b], Hong Zhao[a], Ying Zhou[a], Pei Gu[a]

[a]*College of Chemistry and Chemical Engineering, University of Chinese Academy of Sciences, Beijing 100049, China*
[b]*State Key Laboratory of Natural and Biomimetic Drugs, Peking University, Beijing 100191, China*



Chinese Chemical Letters 25 (2014) 1001

A two-photon mitotracker based on a naphthalimide fluorophore: Synthesis, photophysical properties and cell imaging

Yong Dai[a,c], Bao-Kuo Lv[b], Xin-Fu Zhang[c], Yi Xiao[c]

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PAHPN is a new mitochondria targeted probe for in two-photon imaging.

Chinese Chemical Letters 25 (2014) 1006

Facile synthesis and antitumor activity of novel 2-trifluoromethylthieno[2,3-*d*]pyrimidine derivatives

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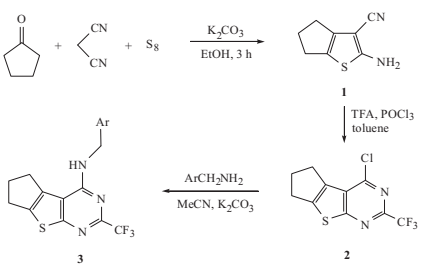
[b]*College of Forestry and Horticulture, Hubei Minzu University, Enshi 445000, China*



A series of novel 2-trifluoromethylthieno[2,3-*d*]pyrimidine derivatives were synthesized by a facile three-step procedure. Their antitumor activity was also evaluated.

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