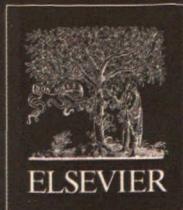


ISSN 1001-8417



# CHINESE CHEMICAL LETTERS

*Preliminary Chemical Communications in English*

中国化学快报

Volume 23 No . 5

May 2012



万方数据



Chinese Chemical Society

Available online at [www.sciencedirect.com](http://www.sciencedirect.com)**SciVerse ScienceDirect**

Volume 23, Issue 5, May 2012

**CHINESE  
CHEMICAL  
LETTERS**[www.elsevier.com/locate/cclt](http://www.elsevier.com/locate/cclt)

## Contents

**Abstracted/Indexed:** Chemical Abstracts, Science Citation Index Expanded, Chemical Citation Index. Also covered in the abstract and citation database SciVerse SCOPUS®. Full text available on SciVerse ScienceDirect®

<b>The facile synthesis of 5-formylporphyrin</b> .....	P.P. LIU, Y.Q. FENG, C.Z. GU, S.X. MENG, B. ZHANG	505
<b>Synthesis of pillar[7]arene</b> .....	Y. CHEN, H.Q. TAO, Y.H. KOU, H. MEIER, J.L. FU, D.R. CAO	509
<b>Solvent-free one-pot synthesis of 2-pyridone derivatives</b> .....	Z. HOSSAINI, F. ROSTAMI-CHARATI, R. HAJINASIRI, M.A. KHALILZADEH	512
<b>Synthesis and antitumor and antibacterial evaluation of fluoroquinolone derivatives (III): Mono- and bis-Schiff-bases</b> .....	G.Q. HU, X.K. WU, G.Q. WANG, N.N. DUAN, X.Y. WEN, T.Y. CAO, Y. JUN, W. WEI, S.Q. XIE, W.L. HUANG	515
<b>Practical synthesis of methyl (<i>E</i>)-2-(3-(2-(7-chloro-2-quinolinyl)ethenyl)phenyl)-3-oxopropyl)benzoate, a key intermediate of Montelukast</b> .....	L. HE, Y.H. GUO, Y.P. WANG, X.J. WANG, J. ZHANG, W.S. XIANG	518
<b>Palladium-catalyzed Suzuki couplings using a novel diaminophosphine oxide as ligand</b> .....	W.P. MAI, H.H. WANG, J.W. YUAN, L.R. YANG, Z.C. LI	521
<b>Catalytic conjugate addition of indole to <math>\alpha,\beta</math>-unsaturated ketones by <math>\text{Co}(\text{ClO}_4)_2 \cdot 6\text{H}_2\text{O}</math>/bis-Schiff base complexes</b> .....	Y.H. HUI, C.M. CHEN, Z.F. XIE	525
<b>Synthesis and biological evaluation of a series of novel salicylanilides as inhibitors of EGFR protein tyrosine kinases</b> .....	N. DING, W. ZHANG, H.L. XIAO, P. WANG, Y.X. LI	529
<b>Asymmetric transfer hydrogenation of ketones catalyzed by nickel complex with new PNO-type ligands</b> .....	Z.R. DONG, Y.Y. LI, S.L. YU, G.S. SUN, J.X. GAO	533
<b>An active and selective heterogeneous catalytic system for Michael addition</b> .....	H. KEIPOUR, M.A. KHALILZADEH, A. HOSSEINI, A. PILEVAR, D. ZAREYEE	537
<b>Design and synthesis of 4-(1-(4-chlorobenzyl)-2,3-dioxindolin-5-yl)-1-(4-substituted/unsubstituted benzylidene) semicarbazide: Novel agents with analgesic, anti-inflammatory and ulcerogenic properties</b> .....	C.R. PRAKASH, S. RAJA, G. SARAVANAN	541
<b>Highly selective hydrogenation of halonitroaromatics to aromatic haloamines by ligand modified Ni-based catalysts</b> .....	C.S. LU, J.H. LV, L. MA, Q.F. ZHANG, F. FENG, X.N. LI	545
<b>Facile synthesis of novel fluorinated thieno[2,3-<i>d</i>]pyrimidine derivatives containing 1,3,4-thiadiazole</b> .....	X.J. SONG, Z.C. DUAN, Y. SHAO, X.G. DONG	549
<b>A facile and one-pot electrochemical method for the synthesis of a new anthraquinonethioether</b> .....	D. NEMATOLLAHI, B. MORADI, F. VARMAGHANI	553
<b>Synthesis and <i>in vivo</i> distribution of 2-deoxy-2-amino-D-glucose-prednisolone conjugate (DPC)</b> .....	Y. LIN, X. SUN, T. GONG, Z.R. ZHANG	557
<b>Ultrasound-assisted synthesis and preliminary bioactivity of novel 2<i>H</i>-1,2,4-thiadiazolo[2,3-<i>a</i>]pyrimidine derivatives containing fluorine</b> .....	M.R. WANG, L. JIANG, S.F. ZHOU, Z.Y. ZHANG, Z.C. JI	561
<b>An expedient synthesis of peptidyl <i>N</i>-alkylamides by “HOPE” strategy</b> .....	H. LIN, X.X. YANG, D.X. WANG	565
<b>One-pot five-component synthesis of highly functionalized piperidines using oxalic acid dihydrate as a homogenous catalyst</b> .....	S.S. SAJADIKHAH, M.T. MAGHSOODLOU, N. HAZERI, S.M. HABIBI-KHORASSANI, A.C. WILLIS	569

<b>Copper-catalyzed synthesis of 1,2-disubstituted benzimidazoles from imidoyl chlorides.....</b>	<b>H. YU, M.S. ZHANG, L.R. CUI</b>	<b>573</b>
<b>Eucleanal A and B: Two new naphthalene derivatives from <i>Euclea divinorum</i> .....</b>		
..... M.M. NG'ANG'A, H. HUSSAIN, S. CHHABRA, C. LANGAT-THORUWA, A. AL-HARRASI, K. KROHN,		I.R. GREEN
		576
<b>Phenolic glycosides from <i>Boschniakia himalaica</i> .....</b>		
..... J.F. WAN, J.Q. YUAN, Z.N. MEI, X.Z. YANG		579
<b>Goniodilactone and gonoheptenolactone, two novel cytotoxic styryllactones from the leaves of <i>Goniothalamus cheliensis</i> .....</b>		
..... J.X. ZHU, D.L. YU, W.H. HUANG, L. SUN, Y. LV, Q.T. ZHENG, K.H. LEE, J.G. YU		583
<b>Antifungal and cytotoxic substances from the stem barks of <i>Desmos chinensis</i> .....</b>		
..... M. TUNTIPALEEPUN, S. CHAKTHONG, C. PONGLIMANONT, P. PLODPAI, S.P. VORAVUTHIKUNCHAI		587
<b>Simultaneous analysis of Cu and Pb as ABEDTA complexes in <i>Rhizoma coptidis</i> by capillary electrophoresis coupled with solid phase extraction .....</b>		
..... F.Y. MENG, Y.Q. WEI, H. LU, X.X. LIU, J.X. LIU		591
<b>AFM and fluorescence spectroscopy investigation for disaggregation of existing A<math>\beta</math> fibrils by baicalein .....</b>		
..... S.M. SONG, Y.X. WANG, L.M. XIONG, L.B. QU, M.T. XU		595
<b>Studies on the binding of vincristine to human serum albumin by molecular spectroscopy and modeling .....</b>		
..... H. JIANG, R.R. CHEN, H.C. WANG, H.L. PU		599
<b>Selective removal of nitrate by using a novel macroporous acrylic anion exchange resin .....</b>		
..... H.O. SONG, Y. ZHOU, A.M. LI, S. MUELLER		603
<b>A highly selective chemosensor for copper ion based on ICT fluorescence .....</b>		
..... F.Y. WU, S.G. CAO, C.X. XIE		607
<b>A new kinetic spectrophotometric method for the determination of major metabolite of heroin in biological samples.....</b>		
..... M.R. SHISHEHBORE, A. SHEIBANI, E. MIRPARIZI		611
<b>Preparation of quercetin imprinted core-shell organosilicate microspheres using surface imprinting technique ...</b>		
..... P. YANG, W.D. HOU, H.D. QIU, X. LIU, S.X. JIANG		615
<b>Novel redox-active ionic thermotropic liquid crystalline complexes of polyelectrolyte and ferrocenyl surfactants .....</b>		
..... Z.Y. CHENG, B.Y. REN, X.Y. CHANG, R. LIU, Z. TONG		619
<b>Performance of PbO<sub>x</sub>/activated carbon hybrid supercapacitor with carbon foam substrate .....</b>		
..... W. ZHANG, Y.H. QU, L.J. GAO		623
<b>Improved biocompatibility of poly(vinylpyrrolidone)-graft-poly(2-dimethylaminoethyl methacrylate)/DNA complexes by coating with bovine serum albumin .....</b>		
..... B. ZHANG, L.D. DENG, J.F. XING, J. YANG, A.J. DONG		627