THE COVER: Chiral binaphthol-based bishydroxylamines have been synthesized by André Kleinheider, Jan-Hendrik Lamm, Beate Neumann, Hans-Georg Stammler, and Norbert W. Mitzel (cf. pp. 681–686, this issue). The cover shows the molecular structure in crystals of an immediate synthetic precursor, a nitrone. The repulsion between the two naphthyl rings leads to a nearly orthogonal orientation to one another and preserves the C2 chirality of the system.
Contents

Research Articles

Akhmatkhodja N. Yunuskhodjayev, Shokhista F. Iskandarova, Jasur B. Komilov and Vahobjon Kh. Sabirov
Crystal structures of sildenafil compounds with nitrate and di(citrate)zinc counterions — 589

De-Jun Li, Shi-Li Tang, Feng-Jie Ma, Lu-Lin Zhang, Yuan-Zheng Cheng and Li-Ping Zhang
Synthesis, crystal structure, and properties of three lead(II) complexes based on the 1,10-phenanthroline ligand — 601

Kaiyi Li, Ruixue Li, Xiaoxia Kong, Qin Qin Shen, Tiantian Wan and Huilu Wu
A highly selective and sensitive fluorescent sensor based on a 1,8-naphthalimide with a Schiff base function for Hg$^{2+}$ in aqueous media — 611

Mouhamadou Birame Diop, Libasse Diop and Allen G. Oliver
Co-crystallization of dimethyl N-cyanodithioiminocarbonate and bis[aqua-µ$_2$-hydroxy-n-butyldichlorotin(IV)] — 619

Elier Galarraga, Sherezade Gómez, Andersson Mavares, Neudo Urdaneta and Juan Manuel Amaro-Luis
Synthesis of ring-A serjanic acid derivatives and their cytotoxic evaluation through the brine shrimp lethality assay (BSLA) — 625

Peter Luger and Birger Dittrich
Electron density of the 1:2 complex of valinomycin with calcium triflate observed in crystals of the composition (valinomycin)Ca$_2$(OTf)$_4$(THF)$_5$(H$_2$O)$_4$ — 633

Gao-Feng Wang, Hai-Ying Yang, De-Qun Peng and Shu-Wen Sun
Two zinc and cadmium coordination polymers constructed with bis(4-(1H-imidazol-1-yl)phenyl)methanone and naphthalene-1,4-dicarboxylate ligands: synthesis and structural characterization — 643

Chi-Jung Su, Yi-Hui Li, Shaoe-En Huang and Yu-Ching Weng
Characterization of hydrophilic carbon nanohorns prepared by the arc-in-water method — 651

Fabian Zimmerhofer, Felix Netzer, Martina Tribus and Hubert Huppertz
Crystal structure determination and characterization of Sm$_3$SiO$_5$F$_3$ — 657

Weina Jiang, Lin Zhou, Haijian Jiang, Weiwei Cheng and Yun-Shan Xue
A four-fold three-dimensional zinc(II) coordination polymer based on 4,4’-bis(2-methyl-imidazolyl)biphenyl and 5-sulfoisophthalate ligands: synthesis, structure and properties — 667

Xinhua Lou, Yunfei Tian and Zhiqiang Wang
Synthesis, structures, and photophysical properties of two Cu(I) complexes supported by N-heterocyclic carbene and phosphine ligands — 673

André Kleinheider, Jan-Hendrik Lamm, Beate Neumann, Hans-Georg Stammler and Norbert W. Mitzel
Synthesis of chiral binaphthol-basedbishydroxylamines — 681