Célia Fonseca Guerra, Lajos Kovács et al.
The evaluation of 5-amino- and 5-hydroxyuracil derivatives as potential quadruplex-forming agents
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The evaluation of 5-amino- and 5-hydroxyuracil derivatives as potential quadruplex-forming agents

Gábor Paragi, Zoltán Kupihár, Gábor Endre, Célia Fonseca Guerra* and Lajos Kovács*

5-Hydroxyuracil has been identified as a building block for supramolecular quadruplex assemblies.

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Mg(OMe)₂ promoted allylic isomerization of γ-hydroxy-α,β-alkenoic esters to synthesize γ-ketone esters

Luhao Lai, A-Ni Li, Jiawei Zhou, Yarong Guo, Li Lin,* Wei Chen and Rui Wang*

Herein we report a facile Mg(OMe)₂ promoted allylic isomerization to afford γ-keto esters involving an in situ dienolate intermediate.

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Zhengquan Zhou, Qikun Yi, Tingting Xia, Wencui Yin, Adnan A. Kadi, Jinbo Li* and Yan Zhang*

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Joydev K. Laha,* Ketul V. Patel, Gurudutt Dubey and Krupal P. Jethava

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Yu Zhang, Xiangfeng Guo,* Mengmeng Zheng, Rui Yang, Hongming Yang, Lihua Jia* and Mengmeng Yang

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Gao-Feng Zha, Hua-Li Qin* and Eric Assen B. Kantchev*

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Ganesh Chandra Nandi* and Cijil Raju

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Zwitterionic indenylammonium with carbon-centred reactivity towards reversible CO₂ binding and catalytic reduction

Yanxin Yang, Linfan Yan, Qinyu Xie, Qiuming Liang and Datong Song*

Zwitterionic indenylammonium can reversibly insert CO₂ into its C–H bond at ambient temperature and catalyze CO₂ hydroboration.

Thermolysis and radiofluorination of diaryliodonium salts derived from anilines

Ethan J. Linstad, Amy L. Vāvere, Bao Hu, Jayson J. Kempinger, Scott E. Snyder and Stephen G. DiMagno*

Mechanistic and theoretical studies reveal new reactions of Ar₂I salts that can interfere with radiolabeling of these substrates.

Divergent synthesis from reactions of 2-trifluoromethyl-1,3-conjugated enynes with N-acetylated 2-aminomalonates

Jieru Yang, Xiaofan Zhou, Yu Zeng, Chaoqian Huang, Yuanjing Xiao* and Junliang Zhang*

Divergent synthesis of fluorinated heterocycles from the reactions of 2-trifluoromethyl-1,3-conjugated enynes with N-acetylated 2-aminomalonates and subsequent gold-catalysed cyclization were developed.

Copper-catalyzed aerobic oxidative coupling of o-phenylenediamines with 2-aryl/heteroarylethylamines: direct access to construct quinoxalines

Kovuru Gopalaiah,* Anupama Saini, Sankala Naga Chandrudu, Devarapalli Chenna Rao, Harsh Yadav and Binay Kumar

A versatile method for synthesis of quinoxalines by Cu-catalyzed oxidative coupling of o-phenylenediamines with 2-arylthiethyamines is presented.