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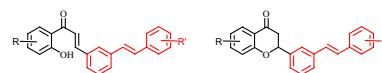
Regular Articles

Synthesis of stilbene-fused 2'-hydroxychalcones and flavanones

pp 139–143

İsmail Akçok and Ali Çağır*

Synthesis of two small matrixes (4 × 4) of stilbene-fused chalcones and stilbene-fused flavanones were successfully completed.

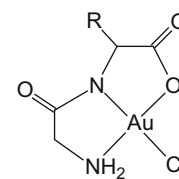


A comparative study of complex formation in the reactions of gold(III) with Gly-Gly, Gly-L-Ala and Gly-L-His dipeptides

pp 144–148

Biljana Đ. Glišić, Snežana Rajković, Marija D. Živković and Miloš I. Djuran*

The Au(III)–peptide complex formation in the reactions of Gly-Gly and Gly-L-Ala dipeptides with H[AuCl₄] was investigated and kinetic data of these reactions were compared with those for histidine-containing Gly-L-His dipeptide.



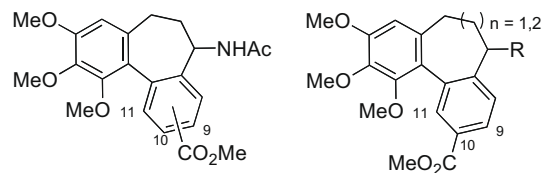
R = H, CH₃

Synthesis and tubulin-binding properties of new allocolchicinoids

pp 149–158

François-Didier Boyer,* Joëlle Dubois, Sylviane Thoret, Marie-Elise Tran Huu Dau and Issam Hanna

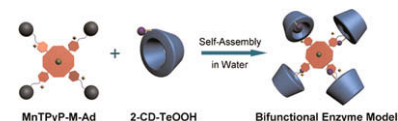
New allocolchicinoids with B- and C-ring variations were synthesized and evaluated for their inhibitory effect on tubulin assembly.



A supramolecular bifunctional artificial enzyme with superoxide dismutase and glutathione peroxidase activities

pp 159–164

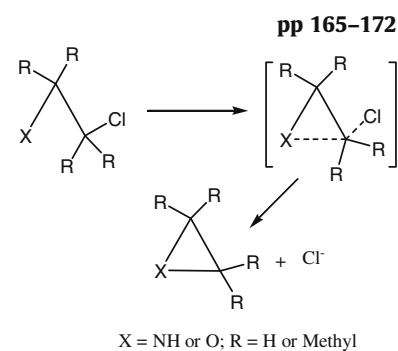
Shuangjiang Yu, Xin Huang, Lu Miao, Junyan Zhu, Yanzhen Yin, Quan Luo, Jiayu Xu, Jiacong Shen and Junqiu Liu*



The effective molarity (EM) – A computational approach

Rafik Karaman*

The driving forces for ring-closing reactions in substituted 3-aminoalkylhalides and substituted chlorohydrins are proximity orientation of the nucleophile to the electrophile and the ground state strain energies.

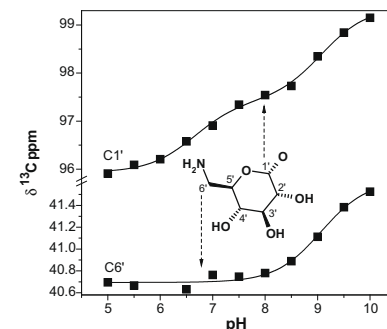


Protonation of kanamycin A: Detailing of thermodynamics and protonation sites assignment

pp 173–180

Yanet Fuentes-Martínez, Carolina Godoy-Alcántar,* Felipe Medrano, Alexander Dikiy and Anatoly K. Yatsimirsky*

The sites of stepwise protonation of kanamycin A have been assigned by analysis of ¹H–¹³C-HSQC spectra at variable pH in D₂O.



* Corresponding author