Volume 12 | Number 12 | 28 March 2014 | Pages 1825–1996

Organic & Biomolecular Chemistry

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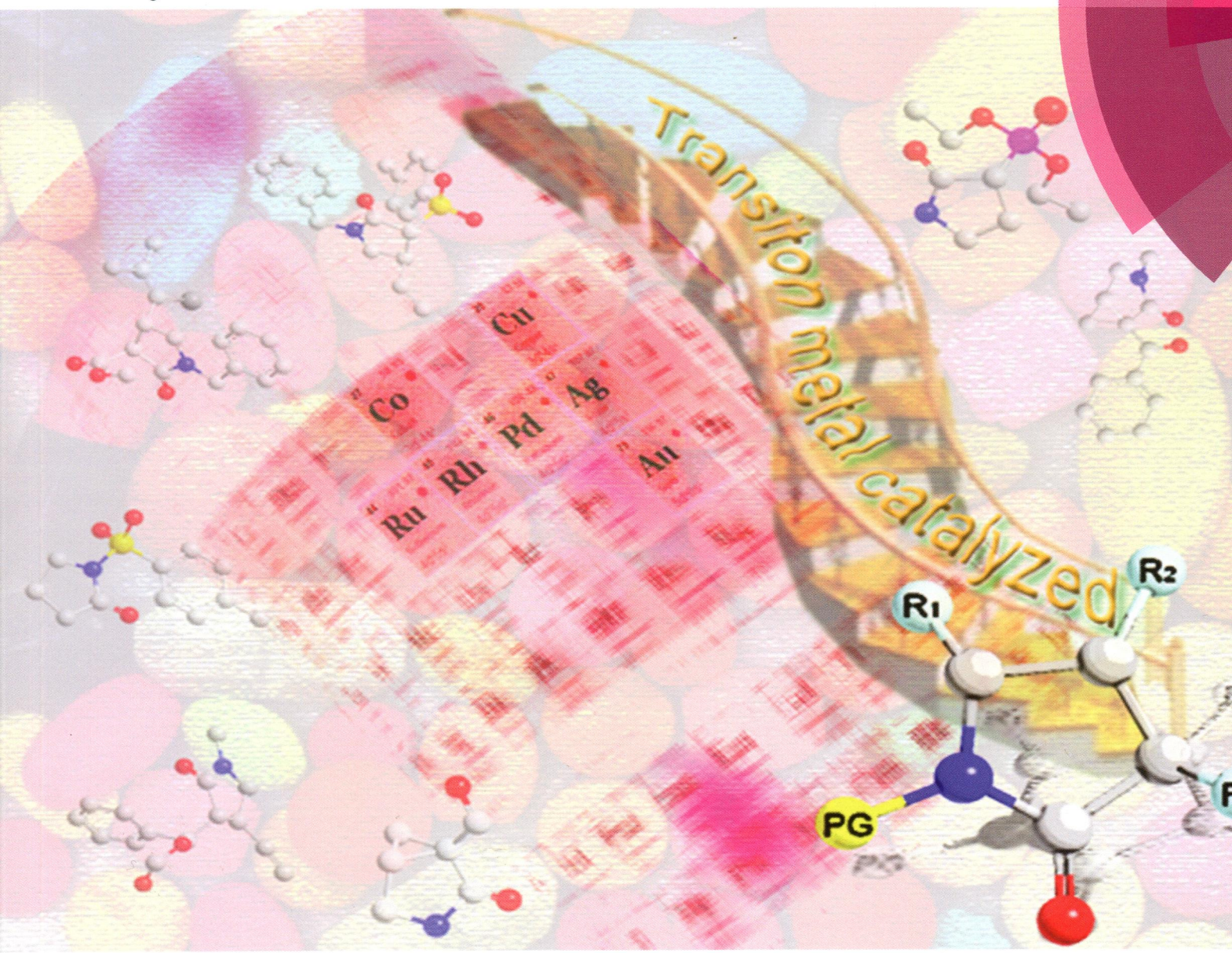

ISSN 1477-0520

ROYAL SOCIETY OF CHEMISTRY

REVIEW ARTICLE
Long-Wu Ye, Fabien Gagosz *et al.*
Recent progress towards transition metal-catalyzed synthesis of γ-lactams

Organic & Biomolecular Chemistry

An international journal of synthetic, physical and biomolecular organic chemistry

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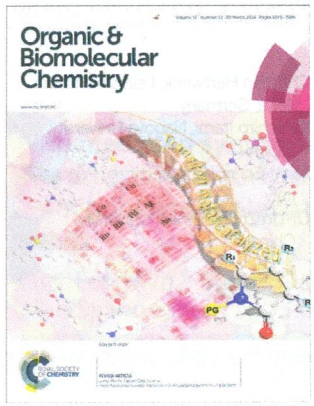

Cover
See Long-Wu Ye, Fabien Gagosz *et al.*, pp. 1833–1845.

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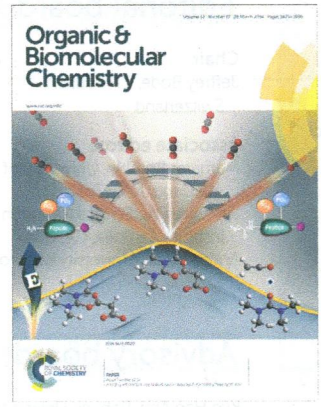

Inside cover
See Assaf Friedler *et al.*, pp. 1879–1884.

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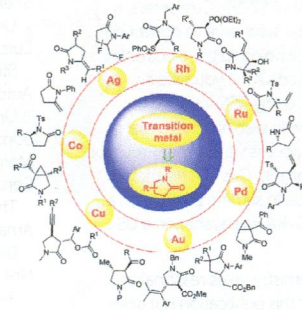
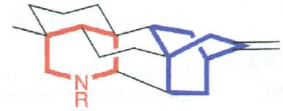
REVIEWS





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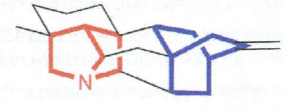

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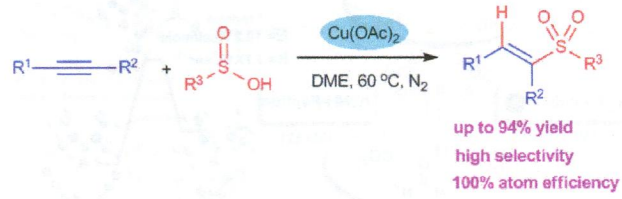
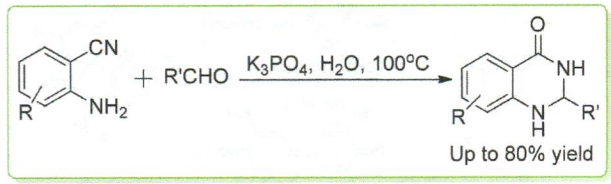
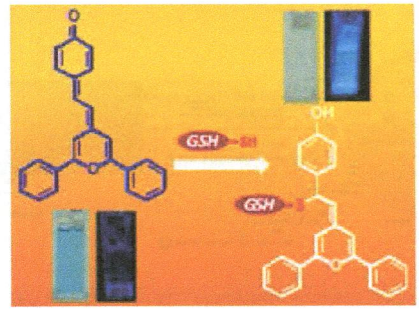
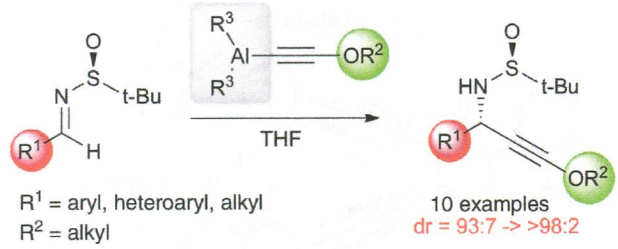
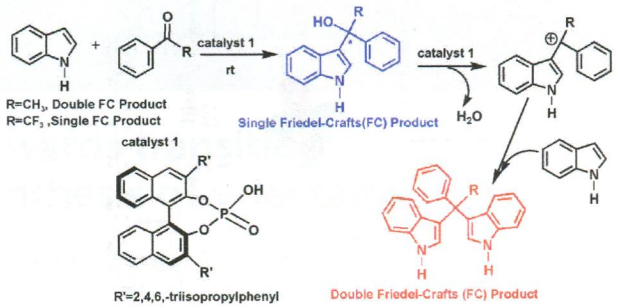
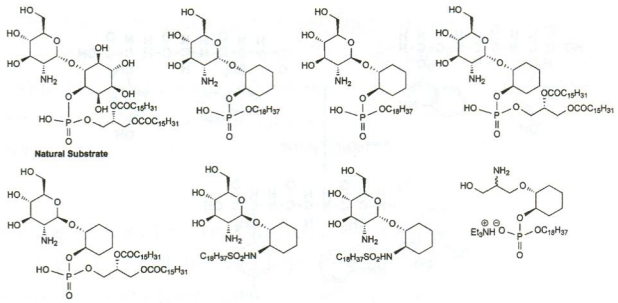


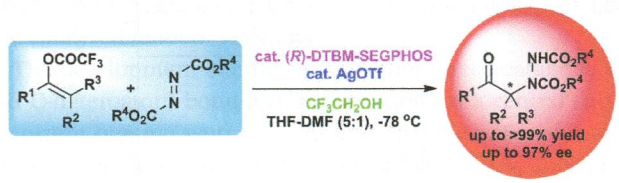


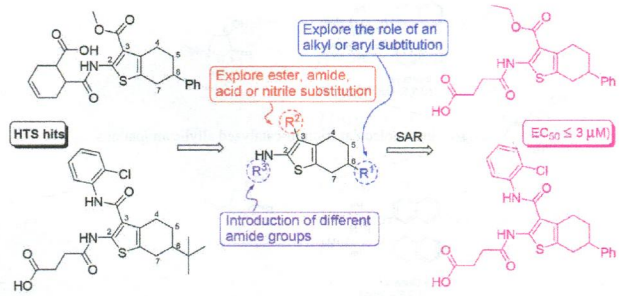




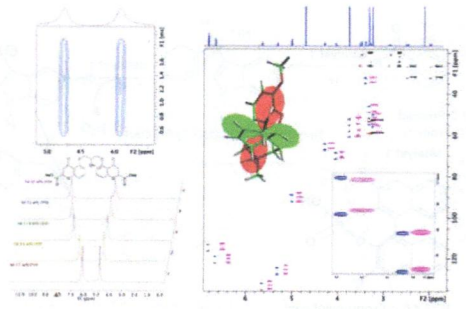








1957

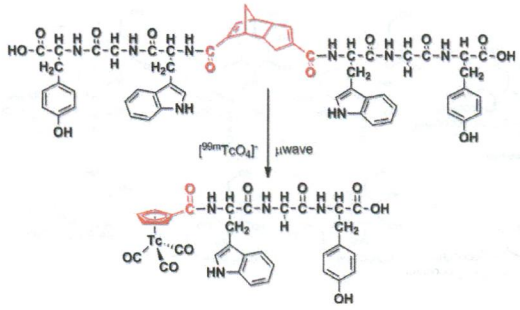


Disodium cromoglycate: exploiting its properties as a NMR weak-aligning medium for small organic molecules

Eduardo Troche-Pesqueira, María-Magdalena Cid* and Armando Navarro-Vázquez*

Disodium cromoglycate (cromolyn) is an easy-to-prepare water-compatible NMR weak aligning medium for small molecules.

1966

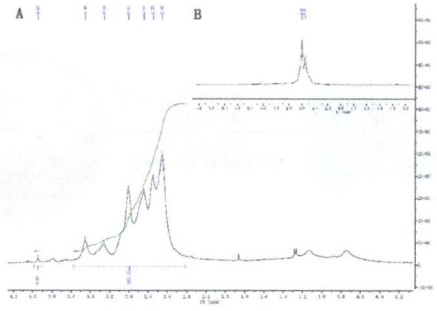


Synthesis of tripeptide derivatized cyclopentadienyl complexes of technetium and rhenium as radiopharmaceutical probes

Qaisar Nadeem, Daniel Can, Yunjun Shen, Michael Felber, Zaid Mahmood and Roger Alberto*

We describe the syntheses of half-sandwich complexes of the type $[(\eta^5\text{-Cp(CONH-R)})M(CO)_3]$ with M = Re or ^{99m}Tc.

1975

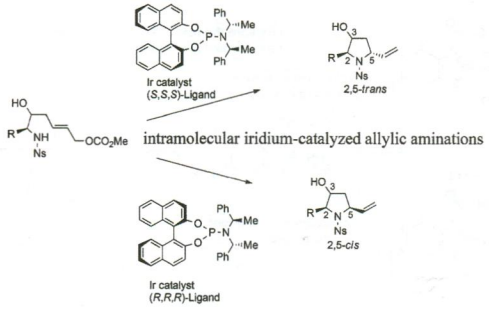


Amphiphilic polyethylenimine (PEI) as highly efficient non-viral gene carrier

Xibo Yan, Yue Zhang, Hongbo Zhang, Peng George Wang, Xiaogang Chu and Xin Wang*

Efficient and safe gene vectors are important for gene therapy.

1983



Asymmetric synthesis of 2,5-disubstituted 3-hydroxypyrrolidines based on stereodivergent intramolecular iridium-catalyzed allylic aminations

Yoshihiro Natori, Shunsuke Kikuchi, Takahiro Kondo, Yukako Saito, Yuichi Yoshimura and Hiroki Takahata*

An intramolecular iridium-catalyzed allylic cyclization of (*E*)-allylic methyl carbonates by an exchange in both enantiomers of the (*S*,*S*,*S*)-ligand or the (*R*,*R*,*R*)-ligand afforded the 2,5-*trans*/*cis* pyrrolidine derivatives.