

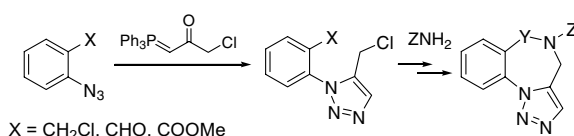
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A new modular and flexible approach to [1,2,3]triazolo[1,5-*a*][1,4]benzodiazepines

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Mateo Alajarín,* José Cabrera, Aurelia Pastor and José M. Villalgordo

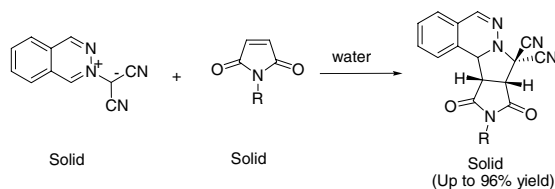


New strategy for the access to [1,2,3]triazolo[1,5-*a*][1,4]benzodiazepines based on the cycloaddition of 2-oxoalkylidene phosphoranes to azides as the key step.

Organic synthesis in water: 1,3-dipolar cycloaddition reactions at ambient temperature with aqueous suspensions of solid reactants

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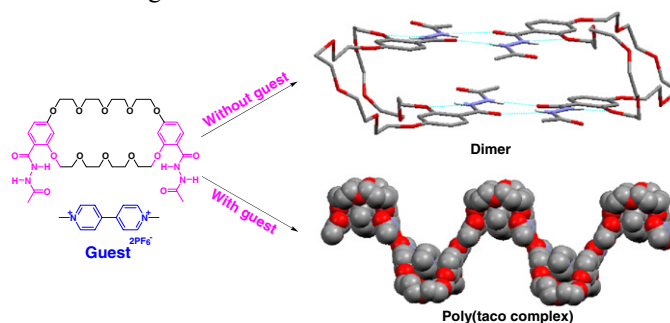
Richard N. Butler,* Anthony G. Coyne and Eamon M. Moloney



Paraquat guest induced hydrogen-bonding modes of a hydrazide-derived bis(*meta*-phenylene)-32-crown-10 host in the solid state

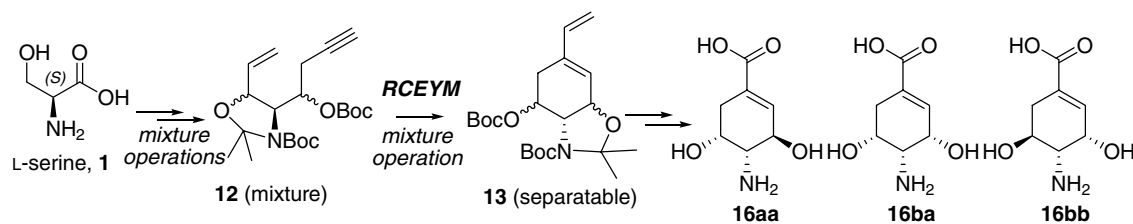
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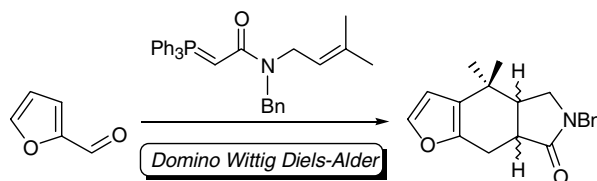
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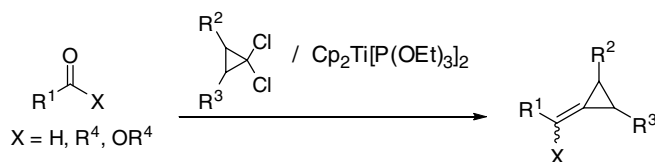
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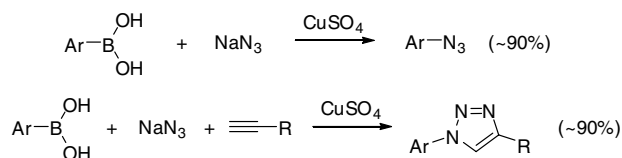
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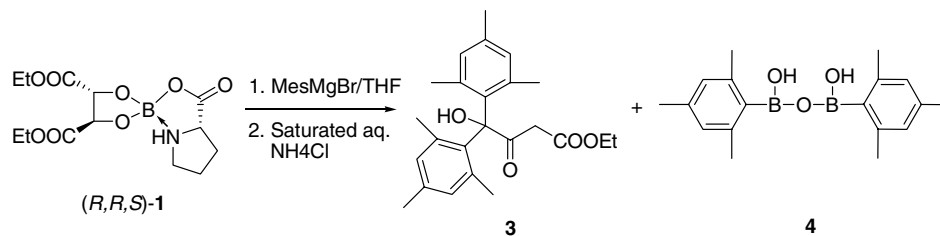


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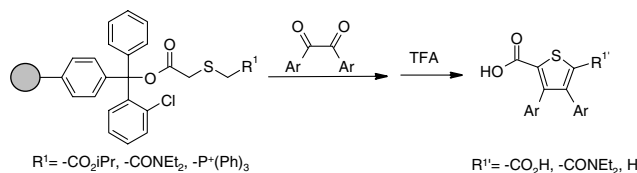
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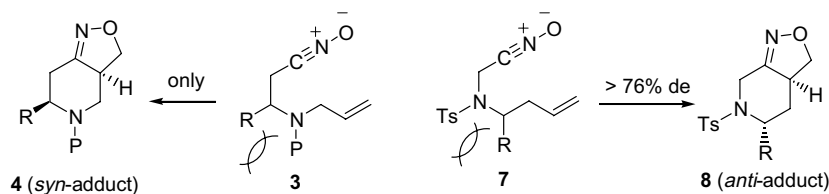
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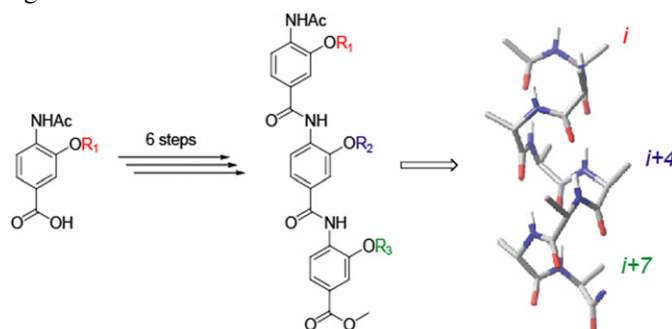
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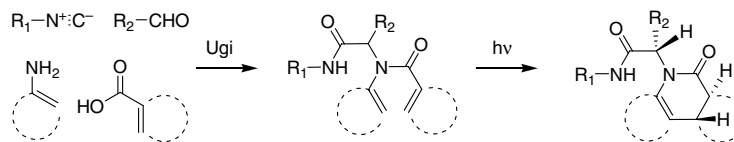
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 Jung-Mo Ahn* and Sun-Young Han



Synthesis of substituted 3,4-dihydroquinolin-2(1H)-one derivatives by sequential Ugi/acrylanilide [6 π]-photocyclizations

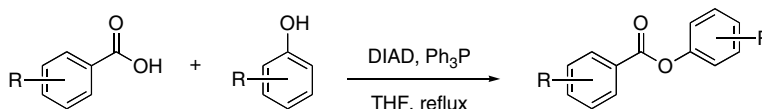
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Irimi Akritopoulou-Zanze,* Alan Whitehead, Jan E. Waters, Rodger F. Henry and Stevan W. Djuric


A convenient procedure for the esterification of benzoic acids with phenols: a new application for the Mitsunobu reaction

pp 3553–3557

Victor P. Fitzjarrald and Rongson Pongdee*

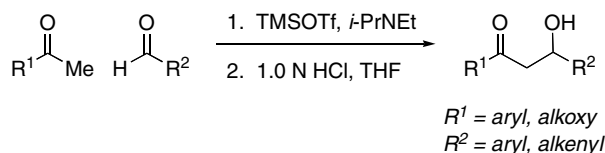


The Mitsunobu reaction was found to be a convenient and effective method for the esterification of various benzoic acids with differentially functionalized phenols producing the corresponding phenyl esters in good to excellent yields.


A tandem enol silane formation-Mukaiyama aldol reaction mediated by TMSOTf

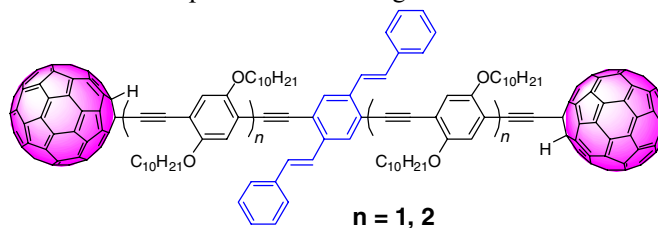
pp 3559–3562

C. Wade Downey* and Miles W. Johnson


Synthesis, electronic, and photophysical properties of cruciform OPE/OPV hybrid oligomer bridged bisfullerene triads

pp 3563–3567

Ningzhang Zhou, Li Wang, David W. Thompson* and Yuming Zhao*



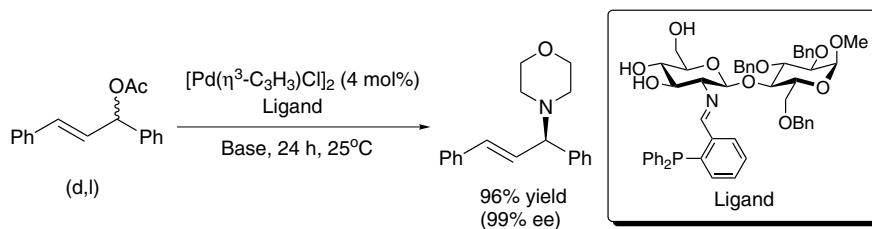
Cruciform OPE/OPV hybrid oligomers were for the first time incorporated into the C₆₀- π -C₆₀ system as bridging units. Electrochemical, UV-vis absorption, and fluorescence emission properties of these novel compounds were investigated.



Evaluation of disaccharide-based ligands for Pd(0)-catalyzed asymmetric allylations

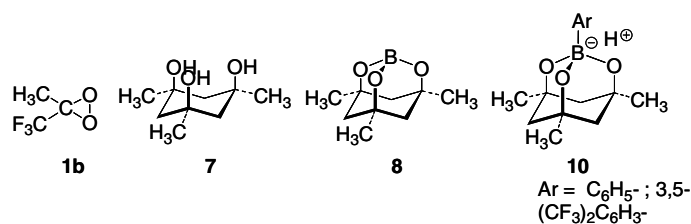
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Sine A. Johannesen, Katarzyna Glegoła, Denis Sinou, Eric Framery* and Troels Skrydstrup*


Stereoselective dioxirane hydroxylations and the synthesis of tripod boronic acid esters

pp 3575–3578

Lucia D'Accolti, Michele Fiorentino, Caterina Fusco, Francesco Capitelli and Ruggero Curci*

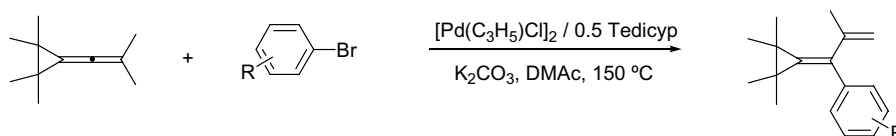


Methyl(trifluoromethyl)dioxirane (TFDO, **1b**) was employed to obtain triol **7** upon *direct* stereoselective hydroxylation of *cis,cis*-1,3,5-trimethylcyclohexane. Starting with **7**, the cage-shaped 'tripod' borate ester **8** was easily obtained; **7** also provided easy access to **10**, a new kind of arylboronic Brønsted-assisted Lewis acids (BLA).

Heck reaction with an alkenylidenecyclopropane: the formation of arylallylidenecyclopropanes

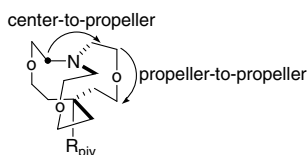
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Yacoub Fall, Henri Doucet* and Maurice Santelli*

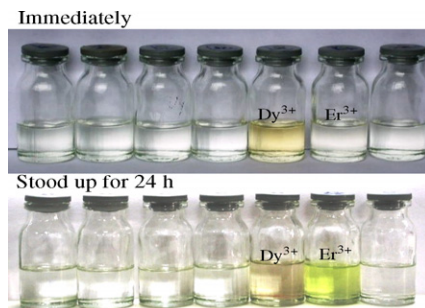

Center-to-propeller and propeller-to-propeller stereocontrol in a series of macrobicyclic tri-λ⁵-phosphazenes

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Mateo Alajarín,* Carmen López-Leonardo,* José Berná and Pilar Sánchez-Andrada

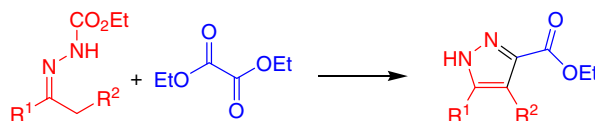


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Zhi Liang, Zhilian Liu and Yunhua Gao*



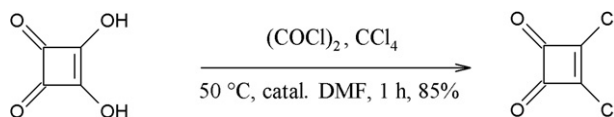
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Tuan Thanh Dang, Tung Thanh Dang and Peter Langer*



New, optimized preparation of 1,2-dichlorocyclobuten-3,4-dione (C₄O₂Cl₂) from squaric acid and oxalyl chloride pp 3595–3597

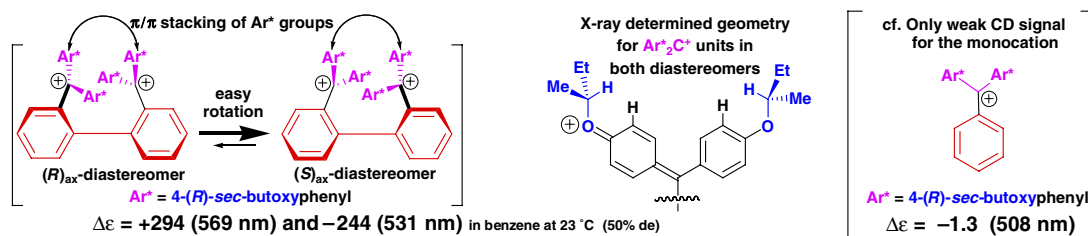
Bruno Lunelli



A very convenient, entropy-assisted preparation of this versatile compound.

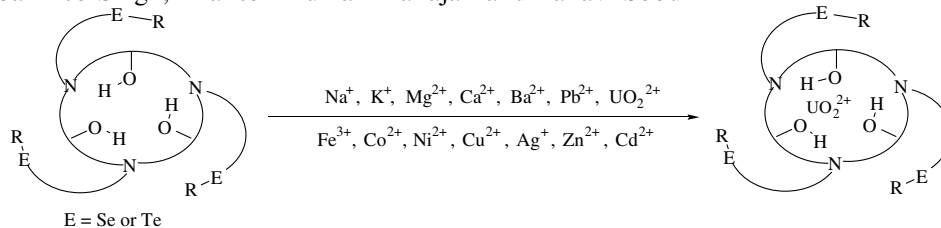
Electrochiroptical systems based on biphenyl-2,2'-diyl-type dicationic dyes: strong chiroptical signals through the transmission of point chirality to axial chirality pp 3599–3603

Takanori Suzuki,* Tomohiro Iwai, Eisuke Ohta, Hidetoshi Kawai and Kenshu Fujiwara



Synthesis of lariat organochalcogenoethers based on azacalix[3]arenes for the potentiometric detection of $[\text{UO}_2]^{2+}$ ions pp 3605–3608

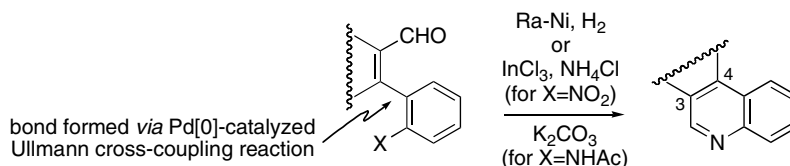
Shabana Khan, Jai Deo Singh,* Rakesh Kumar Mahajan and Pallavi Sood



The syntheses of azacalixarenes supported from three-armed lariat organochalcogenoethers are described. The molecules act selectively as highly sensitive potentiometric sensors for UO_2^{2+} ions in the presence of alkali, alkaline earth metals, transition and heavy metal ions under neutral conditions.

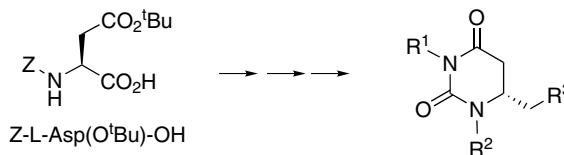
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Surajit Some, Jayanta K. Ray,* Martin G. Banwell* and Matthew T. Jones



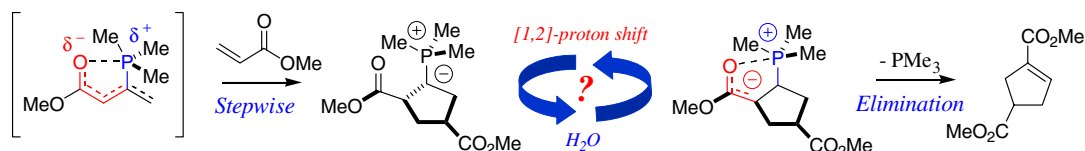
Chiral 1,3,6-trisubstituted 2,4-dioxohexahydropyrimidines: a convenient stereoselective synthesis from aspartic acid derivatives pp 3613–3616

Rosario Patiño-Molina,* Ivan Cubero-Lajo, M. Jesús Pérez de Vega, M. Teresa García-López and Rosario González-Muñiz*



Phosphine triggered [3+2] allenolate–acrylate annulation: a mechanistic enlightenment pp 3617–3620

Evan Mercier, Branden Fonovic, Chris Henry, Ohyun Kwon* and Travis Dudding*



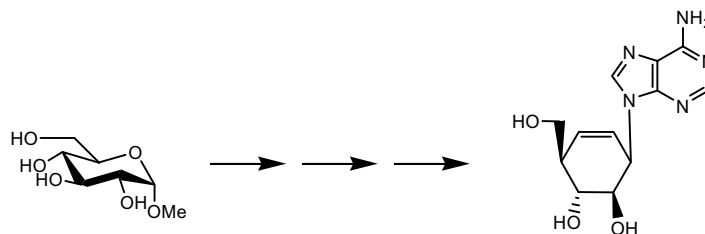
A mechanistic study of phosphine-mediated [3+2] annulation of allenolate and acrylate is presented. The insight gained has identified that (1) [3+2] cycloaddition proceeds through a stepwise mechanism and (2) the involvement of a molecule of water, which services as a proton-shuttle, is essential for annulated product formation.



Stereoselective synthesis of (–)-ara-cyclohexenyl-adenine

András Horváth, Bart Ruttens and Piet Herdewijn*

pp 3621–3623



*Corresponding author

①⁺ Supplementary data available via ScienceDirect**COVER**

A new electrochiroptical system was designed by a novel approach based on “chiroptical enhancement” shown in the cover figure. Through face-to-face overlap of chiral alkoxyphenyl groups, as high as 50% de of axial chirality was attained, which corresponds huge CD amplitude ($A > 500$) in the visible region. Compared with the corresponding mono(triarylmethylum), this bis-(triarylmethylum) exhibits 400-times stronger CD signal thanks to the exciton-coupling mechanism.

Tetrahedron Letters **2007**, *48*, 3599–3603.

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