

## Graphical abstracts

### Modern methods for the synthesis of substituted naphthalenes

*Tetrahedron* 59 (2003) 7

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<sup>b</sup>CSIR, Bio/Chemtek, Speciality and Fine Chemicals Programme, Modderfontein, South Africa



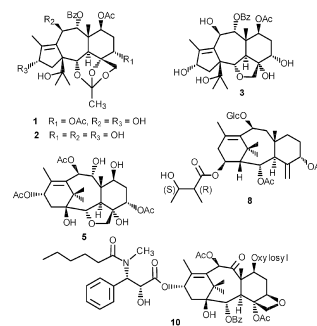
### Novel taxoids from the Chinese yew *Taxus yunnanensis*

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Sheng-Hong Li,<sup>a</sup> Hong-Jie Zhang,<sup>a,b,\*</sup> Xue-Mei Niu,<sup>a</sup> Ping Yao,<sup>b</sup> Han-Dong Sun<sup>a</sup> and Harry H. S. Fong<sup>b,\*</sup>

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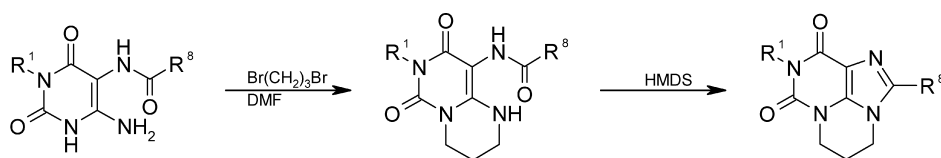


### Versatile, convenient synthesis of pyrimido[1,2,3-cd]-purinediones

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Stefanie Weyler, Alaa M. Hayallah and Christa E. Müller\*

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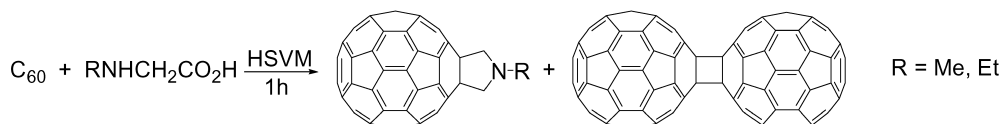
### Solvent-free reactions of fullerenes and *N*-alkylglycines with and without aldehydes under high-speed vibration milling

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Guan-Wu Wang,<sup>a,\*</sup> Ting-Hu Zhang,<sup>a</sup> Er-Hong Hao,<sup>a</sup> Li-Juan Jiao,<sup>a</sup> Yasujiro Murata<sup>b</sup> and Koichi Komatsu<sup>b</sup>

<sup>a</sup>Department of Chemistry, University of Science and Technology of China, Hefei, Anhui 230026, People's Republic of China

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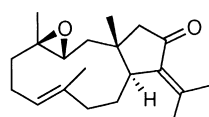
## Total synthesis of the dolabellane marine diterpenoids, claenone, palominol and dolabellatrienone

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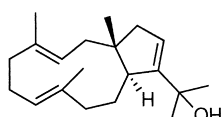
Hiroaki Miyaoka, Yutaka Isaji, Hidemichi Mitome and Yasuji Yamada\*

*School of Pharmacy, Tokyo University of Pharmacy and Life Science, 1432-1 Horinouchi, Hachioji, Tokyo 192-0392, Japan*

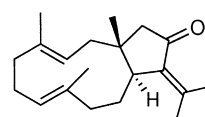
The synthesis of marine dolabellane diterpenoids claenone, palominol and dolabellatrienone was conducted from D-mannitol.



claenone



palominol



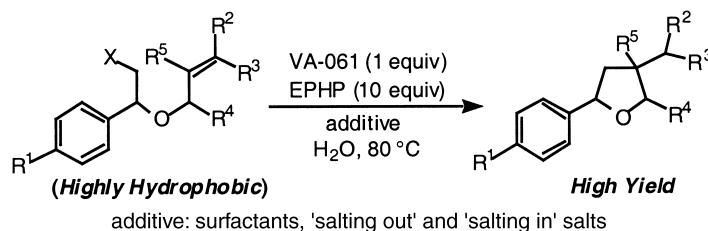
dolabellatrienone

## An efficient methodology for the C–C bond forming radical cyclization of hydrophobic substrates in water: effect of additive on radical reaction in water

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## A palladium-catalyzed synthetic approach to new Huperzine A analogues modified at the pyridone ring

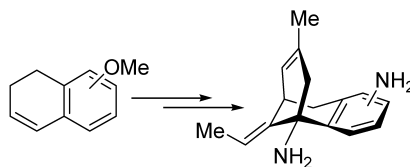
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Sandra Gemma,<sup>a</sup> Stefania Butini,<sup>a</sup> Caterina Fattorusso,<sup>b</sup> Isabella Fiorini,<sup>a</sup> Vito Nacci,<sup>a</sup> Katherine Bellebaum,<sup>c</sup> Down McKissic,<sup>c</sup> Ashima Saxena<sup>c</sup> and Giuseppe Campiani<sup>a,\*</sup>

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## First synthesis of aza-calanolides—a new class of anti-HIV active compounds

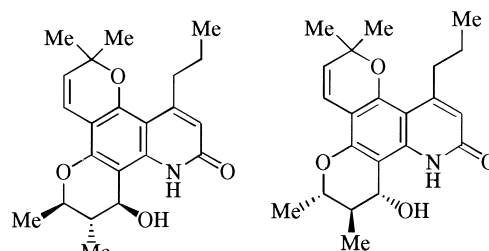
*Tetrahedron* 59 (2003) 95

G. V. Madhava Sharma,<sup>a,\*</sup> A. Ilangovan,<sup>a</sup> Ven L. Narayanan<sup>b</sup> and Mukund K. Gurjar<sup>c</sup>

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<sup>b</sup>*Drug Synthesis and Chemistry Branch, National Cancer Institute, Bethesda, MD 20692, USA*

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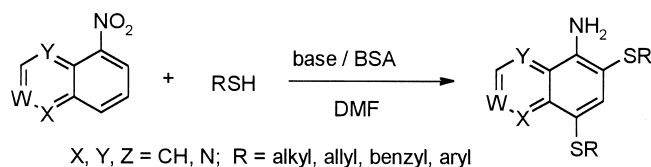
Aza-Calanolides

## Double thioalkylation/arylation of nitroarenes with the reduction of nitro- to amino group

Zbigniew Wróbel

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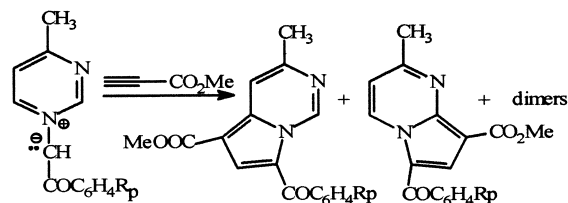


## 4-Methylpyrimidinium ylides. Part 7: 3+2 Dipolar cycloadditions to non-symmetrical substituted alkenes and alkynes

Ionel I. Mangalagiu,\* Geanina C. Mangalagiu, Calin Deleanu, Gabi Drochioiu and Magda Ghe. Petrovanu

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Cycloaddition reaction of pyrimidinium ylides to various dipolarophiles is presented.



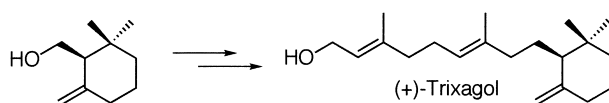
*Tetrahedron 59 (2003) 111*

## Synthesis of (+)-trixagol and its enantiomer, the terpenoid side chain of (-)-agelasine E

Anne Kristin Bakkestuen and Lise-Lotte Gundersen\*

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*Tetrahedron 59 (2003) 115*



## Total synthesis of the mushroom metabolite (+)-calopin

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