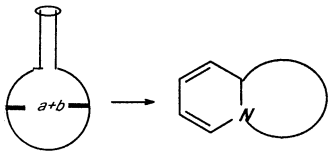
Chemistry of bicyclic pyridines containing a ring-junction nitrogen

Tetrahedron 58 (2002) 6143

W. S. Hamama* and H. H. Zoorob

Department of Chemistry, Faculty of Science, Mansoura University, Egypt

This review summarises the synthesis and some reactions of bicycle pyridines containing a ring-junction nitrogen in 1990–2000.

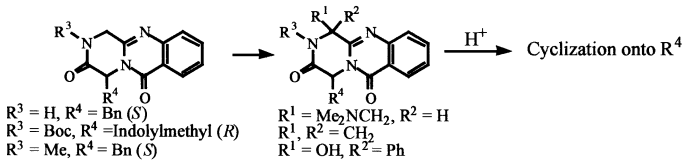


Acid-promoted reactions in 1-hydroxy, 1-dimethylamino-methyl and 1-methylene-4-arylmethyl-2,4-dihydro-1*H*-pyrazino[2,1-*b*]quinazoline-3,6-diones

Tetrahedron 58 (2002) 6163

María Luisa Heredia, Elena de la Cuesta and Carmen Avendaño*

Departamento de Química Orgánica y Farmacéutica, Facultad de Farmacia, Universidad Complutense, 28040 Madrid, Spain

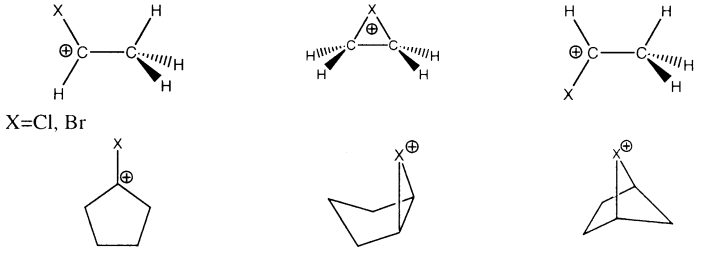


Density functional study of potential energy surfaces and relative stabilities of halonium cations of ethylene and cyclopentenes

Tetrahedron 58 (2002) 6171

Vasilios I. Teberekidis and Michael P. Sigalas*

Laboratory of Applied Quantum Chemistry,
Department of Chemistry, Aristotle University of Thessaloniki,
54 124 Thessaloniki, Greece



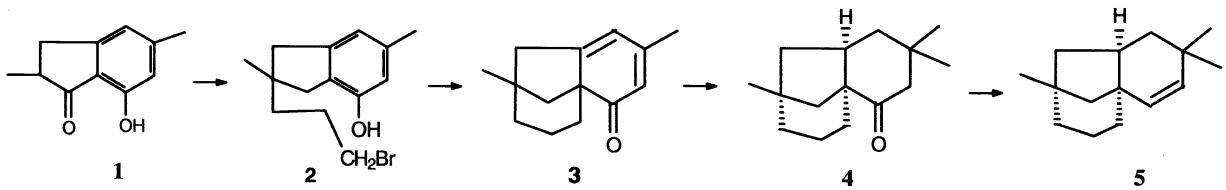
A stereoselective total synthesis of (±)-pseudoclovene-B

Tetrahedron 58 (2002) 6179

Manuka Ghosal, Lokesh Chandra Pati, Arnab Roy and Debabrata Mukherjee*

Department of Organic Chemistry, Indian Association for the Cultivation of Science, Jadavpur, Calcutta 700 032, India

Ar_1-6 cyclisation of **2** afforded **3** which was stereoselectively converted into **5** through the intermediate **4**.

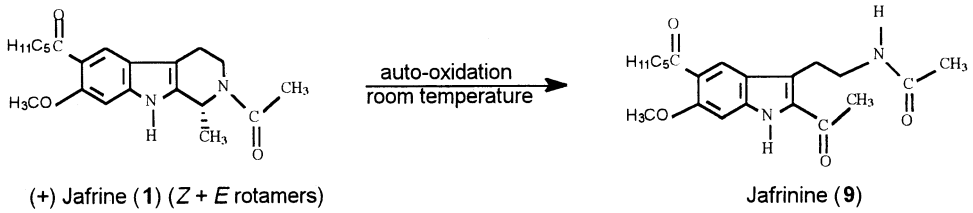


Jafrine, a novel and labile β-carboline alkaloid from the flowers of *Tagetes patula*

Tetrahedron 58 (2002) 6185

Shaheen Faizi* and Aneela Naz

H.E.J. Research Institute of Chemistry, University of Karachi, Karachi 75270, Pakistan



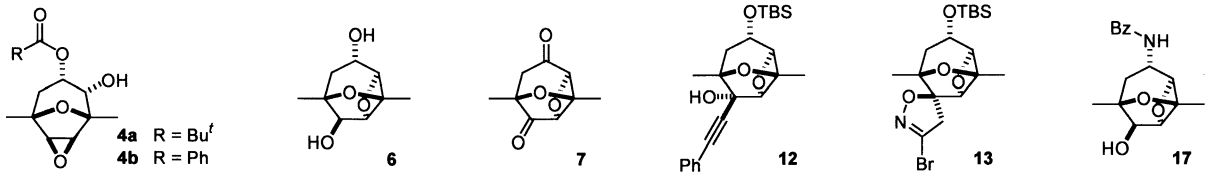
(+) Jafrine (**1**) (*Z* + *E* rotamers) Jafrinine (**9**)

Synthesis and studies of marine natural products: the dictyoxetane core from 8-oxabicyclo[3.2.1]oct-6-en-3-ones

Tetrahedron 58 (2002) 6199

S. Proemmel,[a] R. Wartchow[b] and H. M. R. Hoffmann[a,*]

[a]*Department of Organic Chemistry, University of Hannover, Schneiderberg 1B, D-30167 Hannover, Germany*
[b]*Department of Inorganic Chemistry, University of Hannover, Callinstr. 9, D-30167 Hannover, Germany*

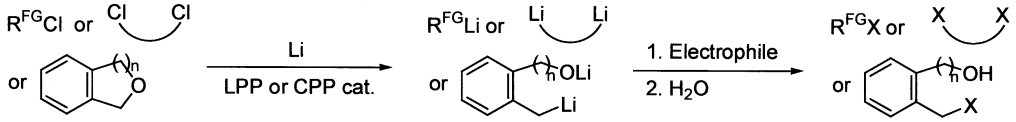


Polyphenylene as an electron transfer catalyst in lithiation processes

Tetrahedron 58 (2002) 6207

Miguel Yus,* Cecilia Gómez and Pablo Candela

Departamento de Química Orgánica, Facultad de Ciencias, Universidad de Alicante, Apdo. 99, E-03080 Alicante, Spain



[n = 1,2; LPP = linear polyphenylene; CPP = crosslinked polyphenylene
Electrophile = Bu^tCHO, PhCHO, Et2CO, (CH2)5CO, PhCOMe, Me3SiCl]

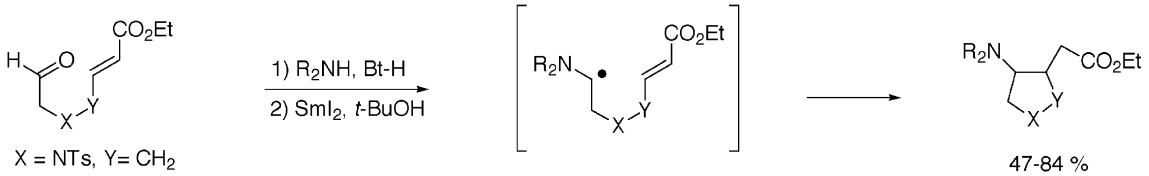
(44-92%)

Synthesis of 3-aminopyrrolidines by cyclization of neutral *C*-centered α-aminoalkyl radicals

Tetrahedron 58 (2002) 6211

Rubén Suero, José M. Gorgojo and José M. Aurrecoechea*

Departamento de Química Orgánica II, Facultad de Ciencias, Universidad del País Vasco, Apartado 644, 48080 Bilbao, Spain



X = NTs, Y= CH_2
X = CH_2, Y = NCbz

47-84 %