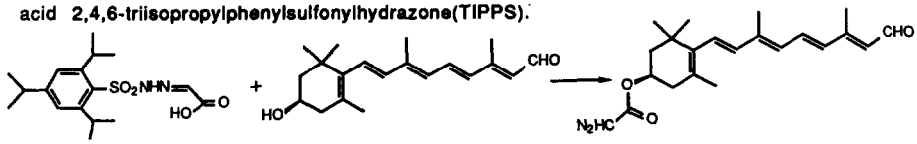
Tetrahedron Lett.29,2275(1988)

SYNTHESIS OF OPTICALLY ACTIVE 3-DIAZOACETOXYRETINALS WITH TRIISOPROPYLPHENYLSULFONYLHYDRAZONE

Hyun Ok, Charles Caldwell, Daniel R. Schroeder, Anil K. Singh and Koji Nakanishi*
Department of Chemistry, Columbia University, New York, NY 10027

An improved Synthesis of photoaffinity labeled, optically active retinal derivatives using glyoxalic acid 2,4,6-triisopropylphenylsulfonylhydrazone(TIPPS).

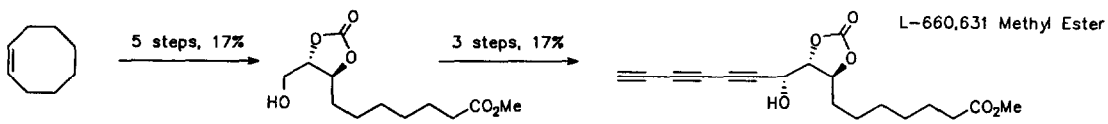


Tetrahedron Lett.29,2279(1988)

SYNTHESIS OF L-660,631 METHYL ESTER AND RELATED COMPOUNDS

M. D. Lewis*, J. P. Duffy, J. V. Heck, and R. Menes
Merck Sharp & Dohme Research Laboratories
PO Box 2000, Rahway NJ 07065

Summary: Triyne carbonate L-660,631 methyl ester (2) was synthesized in eight steps from cyclooctene. Synthetic methodology to permit systematic variation of the triyne portion of the molecule has been developed.

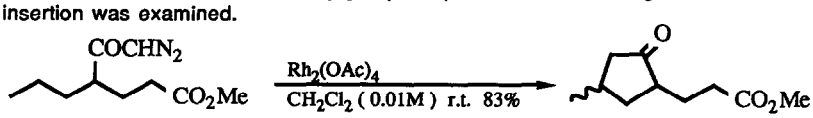


Tetrahedron Lett.29,2283(1988)

Regiocontrol by Electron Withdrawing Groups in the Rh-Catalyzed C-H Insertion of α-Diazoketones

Gilbert Stork and Kazuhiko Nakatani
Department of Chemistry, Columbia University, NewYork, N.Y. 10027

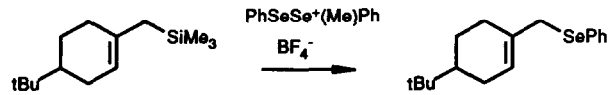
The ability of electron withdrawing groups to protect C-H bonds against diazoketone insertion was examined.



Tetrahedron Lett.29,2287(1988)

A MILD PROCEDURE FOR SYNTHESIS OF THE CYTOCHALASIN ISOINDOLONE; ALLYL SELENIDES FROM ALLYL SILANES AND PhSeSe(CH$_3$)$^+$Ph BF$_4^-$

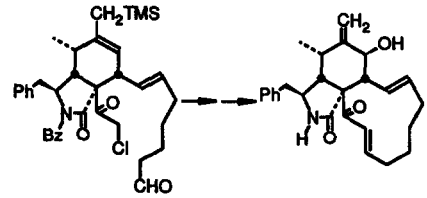
E. Vedejs,* J.D. Rodgers, and S.J. Wittenberger
S.M. McElvain Laboratory of Organic Chemistry
Department of Chemistry
University of Wisconsin
Madison, Wisconsin, 53706



Tetrahedron Lett.29,2291(1988)

SYNTHESIS OF THE 11-MEMBERED CYTOCHALASIN RING SYSTEM BY MODIFIED REFORMATSKY CYCLIZATION

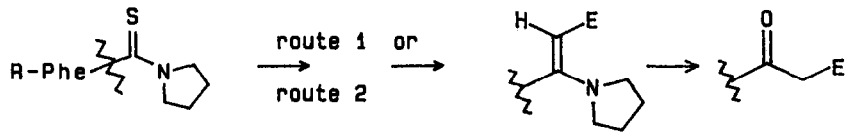
E. Vedejs and S. Ahmad
S. M. McElvain Laboratory of Organic Chemistry
Department of Chemistry
University of Wisconsin
Madison, Wisconsin, 53706



Tetrahedron Lett.29,2295(1988)

CARBOXYL-MODIFIED AMINO ACIDS AND PEPTIDES: I) AN EFFICIENT METHOD FOR THE SYNTHESIS OF MONOFUNCTIONALIZED ENAMINES AND MONOFUNCTIONALIZED METHYL KETONE DERIVATIVES FROM THIOAMIDES VIA EPISULFIDES AND THIOIMINIUM SALTS

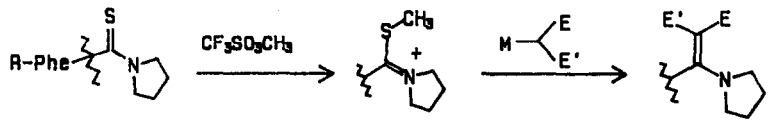
Gilles Sauvé*, Tarek S. Mansour, Paule Lachance and Bernard Belleau, Université du Québec, Institut Armand-Frappier, 531 Boul. des Prairies, Laval, Québec, Canada H7N 4Z3



Tetrahedron Lett.29,2299(1988)

CARBOXYL-MODIFIED AMINO ACIDS AND PEPTIDES: II) A CONVENIENT ROUTE FOR THE SYNTHESIS OF DIFUNCTIONALIZED ENAMINES FROM THIOAMIDES VIA THIOIMINIUM SALTS.

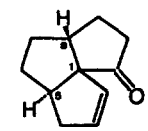
Gilles Sauvé*, Nicolas Le Berre and Boulos Zacharie, Université du Québec, Institut Armand-Frappier, 531 Boul. des Prairies, Laval, Québec, Canada H7N 4Z3



Tetrahedron Lett.29,2303(1988)

INTRAMOLECULAR [2+2] CYCLOADDITIONS OF KETENES AND VINYLKETENES TO OLEFINS -III. THE SYNTHESIS OF ANGULAR ANNULATED TRIQUINANE DERIVATIVES

Siem J. Veenstra, Alain De Mesmaeker, Beat Ernst*
Central Research Laboratories, Ciba-Geigy Ltd., CH-4002 Basel, Switzerland



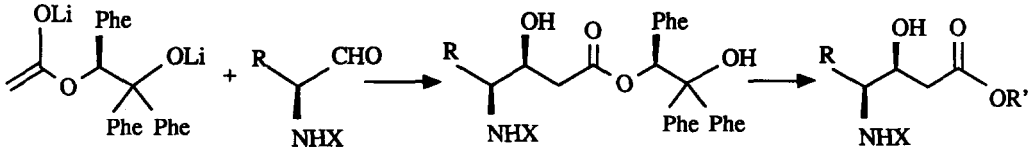
10

A short synthesis of triquinane derivative 10 is described.

Tetrahedron Lett.29,2307(1988)

A Novel Short and Efficient Asymmetric Synthesis of Statine Analogues

R. M. Devant*, H.-E. Radunz, E. Merck, Pha Fo Chem ZNS, Frankfurter Str. 250, 6100 Darmstadt

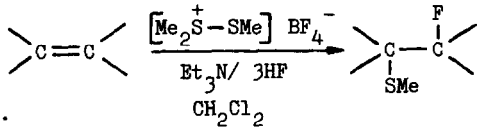


Tetrahedron Lett.29,2311(1988)

FORMAL ADDITION OF METHANESULFENYL FLUORIDE TO UNSATURATED SUBSTRATES

Günter Haufe *
Karl-Marx-Universität, Sektion Chemie, Liebigstraße 18, 7010 Leipzig, GDR
Gérard Alvernhe, Daniel Anker, André Laurent and Christine Saluzzo
Université Claude Bernard - Laboratoire de Chimie Organique 3, associé au CNRS
43, Boulevard du 11 Novembre 1918, 69622 Villeurbanne Cedex, France

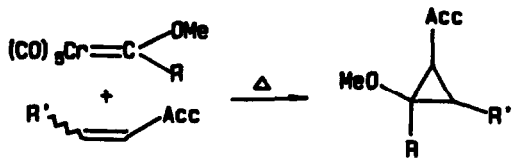
The combination dimethyl(methylthio)-sulfonium fluoroborate/triethylamine tris-hydrofluoride is presented as an efficient reagent for the direct fluoromethanesulfenylation of alkenes.



Tetrahedron Lett.29,2315(1988)

THE CARBENE COMPLEX ROUTE TO DONOR-ACCEPTOR-SUBSTITUTED CYCLOPROPANES

A. Wienand, H.-U. Reissig*
Institut für Organische Chemie der TH,
Petersenstrasse 22, D-6100 Darmstadt.

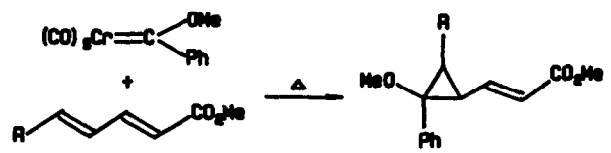


A variety of donor-acceptor-substituted cyclopropanes can be synthesized starting from electron deficient olefins employing Fischer carbene complexes as donor-carbene source.

Tetrahedron Lett.29,2319(1988)

REGIOSELECTIVE AND STEREOSELECTIVE SYNTHESIS OF VINYL-CYCLOPROPANE DERIVATIVES FROM 1,3-DIENES AND A FISCHER CARBENE COMPLEX

M. Buchert, H.-U. Reissig*
Institut für Organische Chemie der TH,
Petersenstrasse 22, D-6100 Darmstadt.

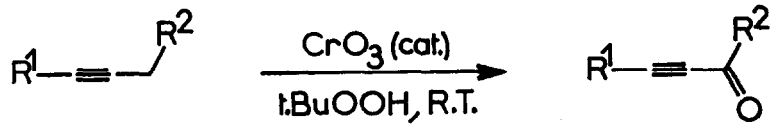


Reactions of 1,3-diene esters with pentacarbonyl[methoxy(phenyl)carbene]chromium(0) occur with high regio- and stereoselectivity to provide trifunctional cyclopropane derivatives.

Tetrahedron Lett.29,2321(1988)

OXIDATION OF ALKYNES INTO CONJUGATED ACETYLENIC KETONES WITH TERT-BUTYL HYDROPEROXIDE CATALYZED BY CHROMIUM^{VI} OXIDE

Jacques MUZART and Olivier PIVA
Laboratoire de Photochimie, Unité Associée au CNRS n° 459, Université de Reims Champagne-Ardenne, 51062 Reims Cédex

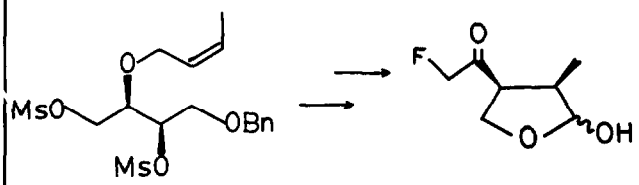


This catalytic method leads to yields superior to those of stoichiometric chromium procedures.

Tetrahedron Lett.29,2325(1988)

STEREOSPECIFIC SYNTHESIS OF (±)-FLUORO-BOTRYODIPLODIN

Yuko Nakahara, Makoto Shimizu, and Hirosuke Yoshioka
The Institute of Physical & Chemical Research (RIKEN), Wako, Saitama, 351-01 Japan



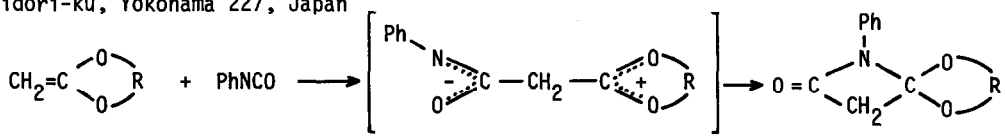
Stereospecific synthesis of a fluoro analogue of an antibiotics Botryodiplodin is described.

Tetrahedron Lett.29,2327(1988)

A NOVEL REACTION OF CYCLIC KETENE ACETALS WITH PHENYL ISOCYANATE THROUGH ZWITTERION

Hiroyuki Fukuda[a] and Takeshi Endo[b]

[a]Nagoya Municipal Industrial Research Institute, Rokuban 3-chome, Atsuta-ku, Nagoya 456, Japan
[b]Research Laboratory of Resources Utilization, Tokyo Institute of Technology, Nagatsuta-cho, Midori-ku, Yokohama 227, Japan

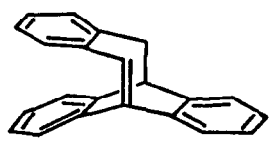


Tetrahedron Lett.29,2329(1988)

SYNTHESIS OF 3,4;7,8;9,10-TRIBENZOBICYCLO[4.2.2]DECA-1,3,7,9-TETRAENE: A NEW STRAINED BRIDGEHEAD OLEFIN

Mitsuo Toda, Keiji Okada, and Masaji Oda
Department of Chemistry, Faculty of Science, Osaka University
Toyonaka, Osaka 560, Japan

The title compound 1 was first synthesized as an air-sensitive substance through a dehydrohalogenation reaction, and some reactions were examined.



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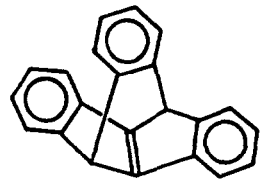
Tetrahedron Lett.29,2333(1988)

SYNTHESIS OF TRIBENZOTRICYCLO[5.3.0.0^{4,8}]DECA-2,5,7,9-TETRAENE: A NEW STRAINED OLEFIN WITH HIGH UNSATURATION

Keiji Okada, Hideki Kawai, Katsura Okubo, Takashi Uesugi, and Masaji Oda
Department of Chemistry, Faculty of Science, Osaka University
Toyonaka, Osaka 560, Japan

The title compound 1 which suffers severe out-of-plane deformation of a double bond was first synthesized as a highly reactive substance, its generation being confirmed by trapping reactions.



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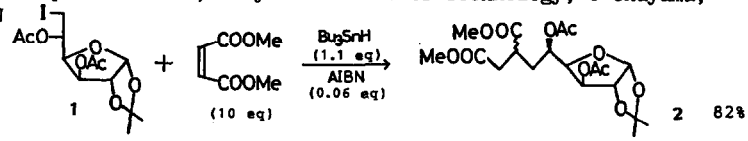
Tetrahedron Lett.29,2335(1988)

SYNTHESIS OF HIGHER-CARBON SUGARS BY TRIBUTYLTIN HYDRIDE - AZOBISISOBUTYRONITRILE INDUCED RADICAL ADDITIONS

Younosuke ARAKI,* Tadatoshi ENDO, Masaki TANJI, Yoshifusa ARAI, and Yoshiharu ISHIDO
Department of Chemistry, Faculty of Science, Tokyo Institute of Technology, O-okayama, Meguro-ku, Tokyo 152, JAPAN



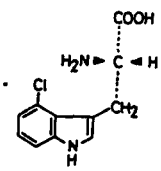
Radical additions of terminal iodosugars to dimethyl maleate, methyl acrylate, acrylonitrile, methyl vinyl ketone, and vinylene carbonate were described.

Tetrahedron Lett.29,2339(1988)

S-4-CHLOROTRYPTOPHAN: ITS SYNTHESIS VIA RESOLUTION, DETERMINATION OF THE ABSOLUTE STEREOCHEMISTRY AND IDENTIFICATION IN THE CRUDE SEED PROTEIN OF THE PEA, PISUM SATIVUM

S.V.THIRUVIKRAMAN, YOUJI SAKAGAMI, MASATO KATAYAMA, AND SHINGO MARUMO.
Department of Agricultural Chemistry, Faculty of Agriculture, Nagoya University, Chikusa Ku, Nagoya 464, Japan

S-4-Chlorotryptophan (1b) was prepared via resolution of the racemate and the absolute stereochemistry was established. Further 1b was identified in the crude seed protein of the pea, Pisum sativum.

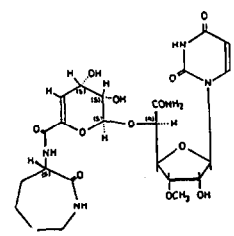


S-4-Chlorotryptophan(1 b)

Tetrahedron Lett.29,2343(1988)

THE STRUCTURE OF A NEW NUCLEOSIDE ANTIBIOTIC, CAPURAMYCIN

H. Seto*, N. Otake, S. Sato+, H. Yamaguchi+, K. Takada+, M. Itoh+, H. S. M. Lu$^{\Delta}$ and J. Clardy$^{\Delta}$
Institute of Applied Microbiology, University of Tokyo, Bunkyo-ku, Tokyo 113, Japan
+Central Research Institute, MECT Corporation, Kitano, Tokorozawa-shi, Saitama 359, Japan
$^{\Delta}$Baker Laboratory, Department of Chemistry, Cornell University, Ithaca, New York, 14853-1301

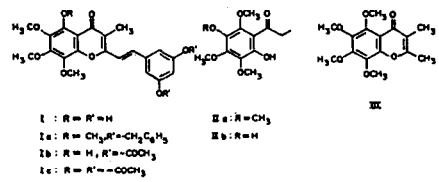


Tetrahedron Lett.29,2347(1988)

SYNTHESIS OF HORMOTHAMNIONE

N.R.Ayyangar, R.A.Khan & V.H.Deshpande
National Chemical Laboratory, Pune(India).

Synthesis of hormothamnione (I) from **IIa** via **III** has been described.

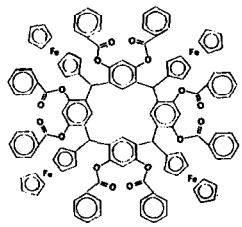


Tetrahedron Lett.29,2349(1988)

NEW HYDROPHOBIC HOST MOLECULES CONTAINING MULTIPLE REDOX-ACTIVE CENTRES.

Paul D. Beer* and E. Louise Tite.
Department of Chemistry, University of Birmingham, Birmingham U.K.

Synthesis of two novel macrocyclic hydrophobic host molecules containing multiple ferrocene redox-active centres is described.

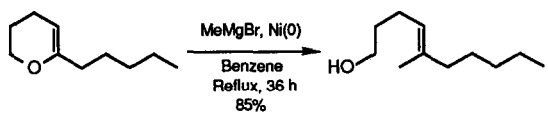


Tetrahedron Lett.29,2353(1988)

A Stereoselective Synthesis of Trisubstituted Alkenes. The Nickel-CatalysedCoupling of Grignard Reagents with 6-Alkyl-3,4-dihydro-2H-pyrans.

P. Kocieński, N.J. Dixon, and S. Wadman
Department of Chemistry, The University,
Southampton, SO9 5NH, U.K.

The Ni(0)-catalysed coupling of Grignard reagents lacking ß-hydrogens with dihydropyrans proceeds in moderate yield with retention of configuration to give tri-substituted alkenes with high stereoselectivity.

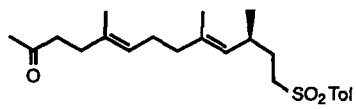


Tetrahedron Lett.29,2357(1988)

A Stereoselective Synthesis of the C(8)-C(20) Fragment of Premonensin B

P. Kocieński, S. Wadman, and K. Cooper
Chemistry Department, The University, Southampton, SO9 5NH, U.K.
Pfizer Central Research, Sandwich, Kent, CT13 9NJ, U.K.

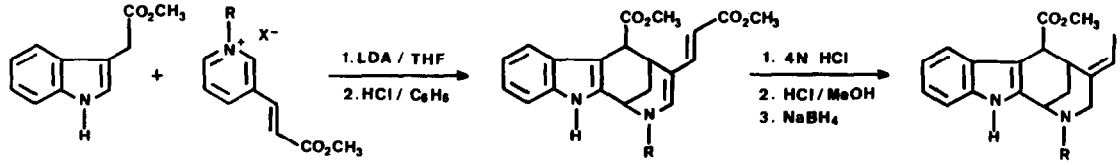
Two stereoselective Ni(0)-catalysed coupling reactions with cyclic enol ether intermediates were key steps in the synthesis of the racemic C(8)-C(20) fragment of Premonensin B



Tetrahedroh Lett.29,2361(1988)

STUDIES ON THE SYNTHESIS OF AKUAMMILINE-TYPE ALKALOIDS. CONSTRUCTION OF THE HEXAHYDRO-1,5-METHANOAZOCINO[3,4-b]INDOLE FRAGMENT

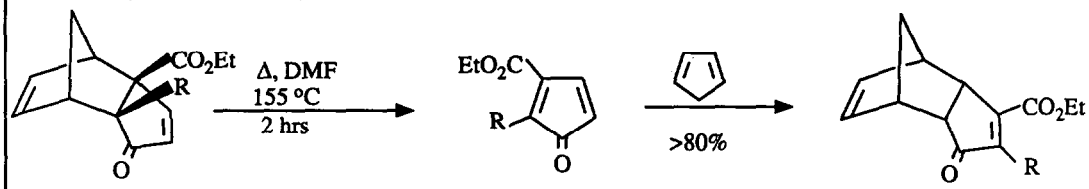
M.-Lluïsa Bennasar, Ester Zulaica, Manel López, and Joan Bosch*
Laboratory of Organic Chemistry, Faculty of Pharmacy, University of Barcelona, Barcelona 08028, Spain



Tetrahedron Lett.29,2365(1988)

GENERATION AND REACTIONS OF 2-ALKYL-3-CARBOETHOXYCYCLOPENTADIENONES

J.H.M. Lange, A.J.H. Klunder and B. Zwanenburg*
Department of Organic Chemistry, University of Nijmegen
Toernooiveld, 6525 ED NIJMEGEN, The Netherlands

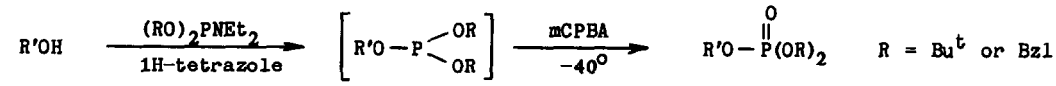


Tetrahedron Lett.29,2369(1988)

DI-t-BUTYL N,N-DIETHYLPHOSPHORAMIDITE AND DIBENZYL N,N-DIETHYLPHOSPHORAMIDITE. HIGHLY REACTIVE REAGENTS FOR THE 'PHOSPHITE-TRIESTER' PHOSPHORYLATION OF SERINE-CONTAINING PEPTIDES

John W. Perich and R. B. Johns
Dept. of Organic Chemistry, University of Melbourne, Parkville 3052, Victoria, Aust.

Di-t-butyl and dibenzyl N,N-diethylphosphoramidite are shown to be suitable reagents for the efficient 'phosphite-triester' phosphorylation of Boc-Ser-ONBzl, Boc-Tyr-ONBzl, Boc-Glu(OBu)-Ser-Leu-OBu and the resin-bound tripeptide Z-Glu(OBzl)-Ser-Leu—(P).

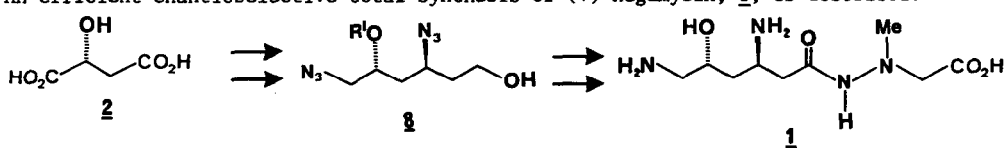


Tetrahedron Lett.29,2373(1988)

ENANTIOSELECTIVE TOTAL SYNTHESIS OF (+)-NEGAMYCIN

David Tanner* and Peter Somfai*
Dept. of Organic Chemistry, Chalmers University of Technology, S-412 96 Göteborg, Sweden

An efficient enantioselective total synthesis of (+)-negamycin, 1, is described.



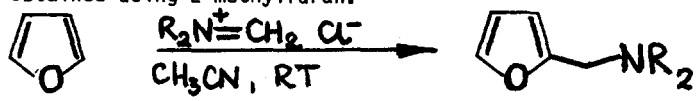
2 8 1

Tetrahedron Lett.29,2377(1988)

MANNICH REACTIONS OF FURAN AND 2-METHYLFURAN USING PRE-FORMED IMONIUM SALTS

Harry Heaney,* George Papageorgiou, and Robert F. Wilkins
Department of Chemistry, The University of Technology, Loughborough, Leic's, LE11 3TU

Good yields of 2-dialkylaminomethylfurans are obtained when N,N-dialkylmethyleneimonium chlorides are allowed to interact with furan in acetonitrile at room temperature; similar results are obtained using 2-methylfuran.

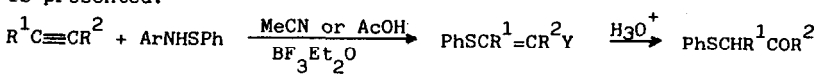


Tetrahedron Lett.29,2381(1988)

A CONVENIENT SYNTHESIS OF ß-KETO PHENYL SULPHIDES FROM ALKYNES

L. Benati,[a] P.C. Montevecchi,[a] and P. Spagnolo[b]
a: Dipart. di Chimica Organica dell'Università. Viale Risorgimento 4, 40136 Bologna, Italy;
b: Istituto Chimico dell'Università della Basilicata, Via N. Sauro 85, 85100 Potenza, Italy;

A new synthesis of ß-keto sulphides by reaction of alkynes with 4'-nitrobenzenesulphenanilide is presented.



Ar=$C_6H_4NO_2$-p; Y=ArNH(Me)C=N or AcO