GRAPHICAL ABSTRACTS













Tetrahedron Lett.29,3833(1988) PHOTOCHEMICAL CARBONYLATION OF ALKYL IODIDES IN THE PRESENCE OF VARIOUS METAL CARBONYLS Teruyuki Kondo, Yasushi Tsuji, and Yoshihisa Watanabe* Department of Hydrocarbon Chemistry, Faculty of Engineering, Kyoto University, Sakyo-ku, Kyoto 606, Japan UV, [M]-K₂CO₃ r.t., 10 h, -HI R-I **CO** R'OH R-C00-R' + 63-88 % R=alkyl, [M]= Group VII, VIII metal carbonyl Tetrahedron Lett.29,3837(1988) SYNTHESIS OF A NOVEL HIGHLY BRANCHED C 30 SEDIMENTARY HYDROCARBON J.N. Robson and S.J. Rowland* Department of Environmental Sciences, Plymouth Polytechnic, Drake Circus, Plymouth PL4 8AA, U.K. The identification of a sedimentary C30 isoprenoid alkane as 2,6,10,14,18-pentamethy1-7-(3-methylpenty1)nonadecane III is confirmed by synthesis. Lyng tore tore to ш Tetrahedron Lett.29,3841(1988) A NOVEL APPROACH TO THE 5a-ARYLDECAHYDRO-2-BENZAZEPINE SKELETON Sheetal Handa^a, Keith Jones^a*, and Christopher G Newton^b ^aDepartment of Chemistry, King's College London, Strand, London WC2R 2LS ^bMay and Baker Ltd., Dagenham, Essex, RM10 7XS Summary Trienes (3) are prepared and their intramolecular cyclisation to give the 5a-aryloctahydrobenzazepines (6) is described **"**0 CHai (6) ŇMe (3) Tetrahedron Lett.29,3845(1988) UTEROGLOBIN-LIKE PEPTIDE CAVITIES I. SYNTHESIS OF ANTIPARALLEL AND PARALLEL DIMERS OF BIS-CYSTEINE PEPTIDES M. Ruiz-Gayo, F. Albericio^{*}, M. Pons, M. Royo, E. Pedroso, and E. Giralt^{*}. Department of Organic Chemistry, University of Barcelona, Marti i Franqués 1, 08028-Barcelona, Spain. Syntheses of parallel (I) and antiparallel (II) H-GCFVPCG-OH H-GCFVPCG-OH dimers of bis-cysteine peptides using four different protecting groups (Fm, Acm, Npys, p-H-GCFVPCG-OH HO-GCPVFCG-H MeBzl) for the cysteine side chain are described. (I) (II)

HETEROCYCLIC SYNTHESIS VIA TANDEM AZA-WITTIG REACTION HETEROCUMULENE-MEDIATED ANNULATION REACTION NEW METHODOLOGY FOR THE PREPARATION OF QUINAZOLINE DERIVATIVES

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 $\bigcup_{N=PPh_{3}}^{O} \longrightarrow \bigcup_{N=N+R^{1}}^{O} \longrightarrow \bigcup_{N$

Tetrahedron Lett.29,3849(1988)

X= NR², O, S

Imnophosphorane (2) react with isocyanates, carbon dioxide and carbon disulphide to give quinazoline derivatives



Tetrahedron Lett.29,3857(1988)

MARINE TOXINS SYNTHESIS OF THE SPIRO-BENZOQUINONEFURAN UNIT IN STYPOLDIONE Paul V. Fish, Gerald Pattenden* and S.T Hodgson Department of Chemistry, The University, Nottingham, NG7 2RD.

A synthesis of the unusual spiro-benzoquine unit present in the marine toxin stypoldione (1) is described.



MeO.

ALKALOID METABOLITES OF THE MARINE TUNICATE EUDISTOMA SP_: SEGOLINE A, ISOSEGOLINE A AND NOR-SEGOLINE

A Rudi, Y, Benayahu, I Goldberg and Y Kashman^{*} Tel Aviv University, Ramat-Aviv 69978, ISRAEL

The structure of segoline $A(\underline{1})$ isosegoline $A(\underline{2})$ and nor segoline (<u>3</u>) has been established Tetrahedron Lett.29,3861(1988)



