

GRAPHICAL ABSTRACTS

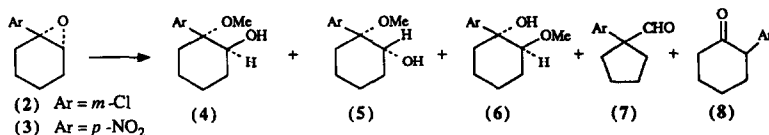
Tetrahedron, 45, 4227, (1989)

SUBSTITUENT EFFECTS ON THE REGIO- AND STEREOSELECTIVITY OF GAS-PHASE ACID-INDUCED RING OPENING IN 1-ARYLCYCLOHEXENE OXIDES.

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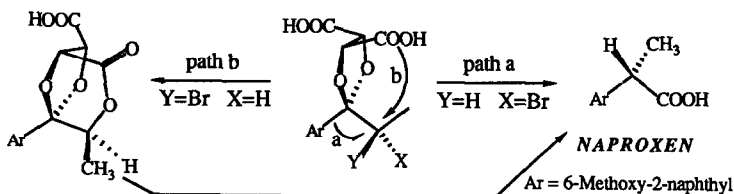
Regio- and stereochemistry in the gas-phase displacement reactions in epoxides (2) and (3) were studied.



Tetrahedron, 45, 4243, (1989)

A STEREOCONVERGENT STRATEGY FOR THE SYNTHESIS OF ENANTIOMERICALLY PURE (R)-(-) AND (S)-(+)-2-(6-METHOXY-2-NAPHTHYL)-PROPANOIC ACID (NAPROXEN)

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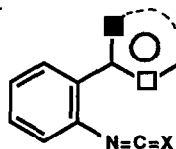


Tetrahedron 45 4263 (1989)

NEW METHODOLOGY FOR THE PREPARATION OF QUINAZOLINE DERIVATIVES VIA TANDEM AZA-WITTIG / HETEROCUMULENE-MEDIATED ANNULATION. SYNTHESIS OF 4(3H)-QUINAZOLINONES, BENZIMIDAZO[1,2-*c*]QUINAZOLINES, QUINAZOLINO[3,2-*a*]QUINAZOLINES AND BENZOTHAIAZOLO[3,2-*c*]QUINAZOLINES.

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Instituto de Química Física, CSIC, Madrid. (Spain).

Heterocumulenes, availables from iminophosphoranes and isocyanates, carbon dioxide or carbon disulfide, undergo cyclization to give quinazoline derivatives.



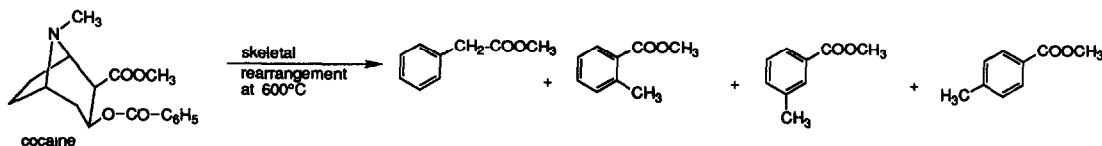
X = O, S, NR
□ = N, NH
■ = O, S, N

NOVEL REARRANGEMENTS DURING PYROLYSIS OF COCAINE

Tetrahedron 45, 4287, (1989)

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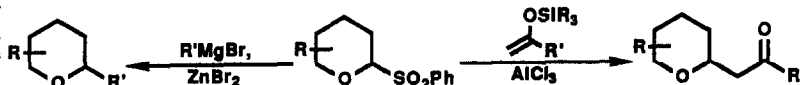


**Substitution Reactions of 2-Benzenesulphonyl
Cyclic Ethers with Carbon Nucleophiles**

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Direct substitution of 2-benzenesulphonyl cyclic ethers was studied using a variety of carbon nucleophiles. These nucleophiles included organozinc reagents (derived from aryl, vinyl and alkynyl Grignard reagents) or silyl enol ethers, silyl ketene acetals, allylsilanes and trimethylsilyl cyanide in the presence of aluminium chloride. A general selectivity for the formation of the trans-product was observed using 6-substituted sulphones.

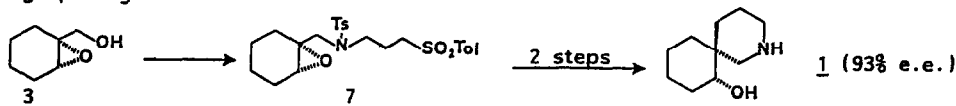


Tetrahedron, 45, 4293, (1989)

Enantioselective Total Synthesis of (+)-Nitramine.

David Tanner* and Hua Ming He (Dept. Of Organic Chemistry, University of Uppsala, Box 531, S-751 21, Uppsala, Sweden).

An enantioselective synthesis of the spirocyclic alkaloid (+)-Nitramine (**1**) is described. The dianion of the key chiral epoxy sulfone **7** readily undergoes intramolecular epoxide ring-opening.



Tetrahedron, 45, 4309, (1989)

**RING-CHAIN TAUTOMERISM OF 1,3-OXAZOLIDINES PREPARED FROM
NOREPHEDRINE AND NORPSEUDOEPHEDRINE**

Tetrahedron, 45, 4317. (1989)

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The reactions of norephedrine and norpseudoephedrine with different aromatic aldehydes led to tautomeric equilibria consisting of two ring and one open-chain forms and obeying the equation: $\log K_X = \rho\sigma^+ + c$.

