GRAPHICAL ABSTRACTS



















Tetrahedron Letters, 1994, 35, 9047

THE SYNTHESIS OF 7-CARBONYL HOMOLOGUES OF

1-DEOXYNOJIRIMYCIN. Amuri Kilonda, Frans Compernolle,*

Suzanne Toppet, Georges J. Hoornaert, Laboratorium voor Organische Synthese, Katholieke Universiteit Leuven Celestijnenlaan 200 F, 3001 Leuven-Heverlee, Belgium.

 α , β -Unsaturated esters and ketones 13-16 derived from aminoglucitol 3, were converted to piperidines 4-7 via deprotection and intramolecular 1,4-addition of the amino group.



ESTERS OF CROSS-LINKED POLYVINYL ALCOHOL WITH FATTY ACIDS: NEW STATIONARY PHASES FOR THE SEPARATION OF

Tetrahedron Letters, 1994, 35, 9051

LIPOLYTIC ENZYMES. Enrico Cernia, *Giancarlo Ortaggi, Simonetta Soro, Dipartimento di Chimica, Università di

Roma "La Sapienza", Piazzale A. Moro 5, 00185 Roma (Italy) Massimo Castagnola, Dipartimento di Chimica, Università di Roma "Sacro Cuore", Largo F. Vito 1, 00100 Roma (Italy)

A new class of functionalized synthetic polymers with a modular affinity toward lipidic molecules was prepared and tested in the successful separation of lipases by a single step chromatography. The resins were found to adsorb strongly lipase from *Candida rugosa* and appear to have high versatility and selectivity

REDUCTIVELY ACTIVATED "POLAR" NUCLEOPHILIC

Tetrahedron Letters, 1994, 35, 9055

AROMATIC SUBSTITUTION. II. THE REACTION OF *p*-DINITRO-

BENZENE AND p-NITROBENZONITRILE WITH CHARGED AND NEUTRAL NUCLEOPHILES.

Miquel Mir, Martirio Espín, Jorge Marquet,* lluminada Gallardo* and Chiara Tomasi

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Electrochemical experiments show that no reaction between p-dinitrobenzene or p-nitrobenzonitrile radical anions with phenolate

or phenol nucleophiles takes place in DMF. However, the reaction of p-dinitrobenzene and phenol can be reductively activated



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REDUCTIVELY ACTIVATED "POLAR" NUCLEOPHILIC AROMATIC

SUBSTITUTION.III. THE REACTIONS OF

POLYFLUORONITROBENZENES WITH METHANOL.

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Mechanistic studies indicate that the reactions of polyfluoronitrobenzenes (including pentafluoronitrobenzene) with methanol do not occur through the previously proposed S_{RN}^2 mechanism. Nevertheless some of those reactions are reductively activated.

$$O_2N \xrightarrow{\Gamma_n} F \xrightarrow{MeOH} O_2N \xrightarrow{\Gamma_n} OMe$$







