

ISOENZYMES

D W MOSS,

Professor of Clinical Enzymology, Royal Postgraduate
Medical School, Hammersmith Hospital, London

This book summarizes the main generalizations regarding the nature and properties of isoenzymes and other multiple forms of enzymes. Isoenzymes are discussed under the major headings of origins and structures, occurrence and distribution, phylogeny and genetics, changes during normal and pathological development, and application of isoenzyme studies in clinical diagnosis. Examples are drawn from both human and animal systems.

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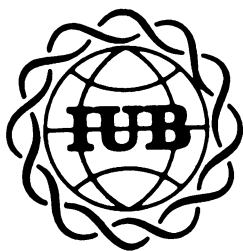
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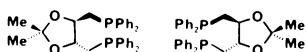
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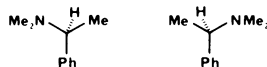


2,3-O-Isopropylidene-2,3-dihydroxy-1,4-bis(diphenylphosphino)butanes (DIOPs)

Ligands for the rhodium-catalyzed hydroformylation of enamides

Becker, Y.; Eisenstadt, A.; Stille, J.K. *J. Org. Chem.* **1980**, *45*, 2145.

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N,N-Dimethyl-1-phenethylamines

Preparation of ligands for the asymmetric hydrosilylation of ketones;¹ resolving agents

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(R,R)-(-)-2,3-Butanediol

For the ¹³C NMR assay of enantiomeric purity of chiral ketones

van Leusen, D.; Rouwette, P.H.F.M.; van Leusen, A.M. *J. Org. Chem.* **1981**, *46*, 5159.

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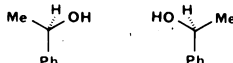


(+)-Longifolene

Synthesis of dilongifolylborane, a useful chiral hydroboration reagent

Jadhav, P.K.; Brown, H.C. *J. Org. Chem.* **1981**, *46*, 2988.

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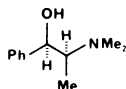


sec-Phenethyl alcohols

Used as Cr(CO)₃ complexes in a stereospecific Ritter reaction

Top, S.; Jaouen, G. *J. Org. Chem.* **1981**, *46*, 78.

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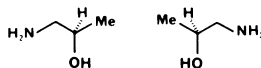


(-)-N-Methylephedrine

Preparation of a reducing agent for the synthesis of optically active alcohols

Terashima, S.; Tanno, N.; Koga, K. *Chem. Lett.* **1980**, 981.

23,521-0		5g	\$18.50
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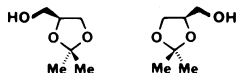


1-Amino-2-propanols

Chiral templates for the enantioselective alkylation of cyclohexanones

De Jeso, B.; Pommier, J.-C. *Tetrahedron Lett.* **1980**, 21, 4511.

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2,2-Dimethyl-1,3-dioxolane-4-methanols

Versatile chiral building blocks

Jung, M.E.; Shaw, T.J. *J. Am. Chem. Soc.* **1980**, *102*, 6304 and references cited therein.

23,774-4	(S)-(+)	1g	\$20.00
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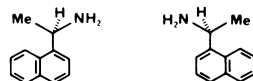


(S)-(-)-Propylene oxide

Synthesis of the naturally occurring isomer of the aggregation pheromone sulcatol

Johnston, B.D.; Slessor, K.N. *Can. J. Chem.* **1979**, *57*, 233.

23,889-9		1g	\$24.10
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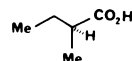


alpha-(1-Naphthyl)ethylamines

Useful resolving agents

Mori, K.; Nukada, T.; Ebata, T. *Tetrahedron* **1981**, *37*, 1343.

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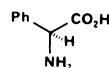


(S)-(+)-2-Methylbutyric acid

Construction of the ester side chain of the fungal metabolite (+)-compactin

Wang, N.-Y.; Hsu, C.-T.; Sih, C.J. *J. Am. Chem. Soc.* **1981**, *103*, 6538.

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L-(+)-alpha-Phenylglycine

Synthesis of optically active cephem-carboxylic acids

Breuer, H.; Treuner, U.D. *Ger. Offen.* 2 707 812, 1977; *Chem. Abstr.* **1978**, *88*, 6917i.

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