GRAPHICAL ABSTRACTS









Tetrahedron Lett. 1990, 31, 5885 **DISPOSABLE TETHERS IN TYPE 2 INTRAMOLECULAR DIELS-ALDER** CYCLOADDITION REACTIONS. APPLICATIONS IN STEREOCHEMICAL CONTROL K. J. Shea*, Kathleen S. Zandi, Andrew J. Staab and R. Carr. Department of Chemistry, University of California, Irvine, California 92717 Summary: Temporary union of diene and dienophile in the type 2 intramolecular Diels-Alder cycloaddition provides a general strategy for controlling both regio- and stereochemistry of the cycloaddition. $\overset{X}{\underset{R_{1}}{\leftarrow}} \cdot \overset{Y}{\underset{Z}{\leftarrow}} \Rightarrow \overset{X}{\underset{R_{1}}{\leftarrow}} \overset{X}{\underset{Z}{\leftarrow}} \overset{X}{\underset{Z}{\leftarrow}} \Rightarrow \overset{X}{\underset{R_{1}}{\leftarrow}} \overset{X}{\underset{Z}{\leftarrow}} \Rightarrow \overset{X}{\underset{R_{1}}{\leftarrow}} \overset{X}{\underset{Z}{\leftarrow}} \overset{X}$ Tetrahedron Lett. 1990, 31, 5889 AUTOMATED SOLID-PHASE SYNTHESIS OF GLYCOPEPTIDES. INCORPORATION OF UNPROTECTED MONO- AND DISACCHARIDE UNITS OF N-GLYCOPROTEIN ANTENNAE INTO T CELL EPITOPIC PEPTIDES Laszio Otvos, Jr.ª*, Laszio Urgeb, Miklos Hollosi^b, Krzysztof Wroblewski^o, Grazyna Graczyk^o, Geraid D. Fasman^d and Jan Thurin^a ^aThe Wistar Institute, Philadelphia, PA 19104, U.S.A.; ^bDept. of Organic Chemistry, L. Eotvos University, Budapast, Hungary; ^oDept. of Biochemistry and Biophysics, University of Pennsylvania, Philadelphia, PA, U.S.A.; ^dDept. of Biochemistry, Brandels University, Waltham, MA, U.S.A. NHAc + Fmoc-Asp-O'Bu PipOH Fmoc-Asn(GicNAc-1-+ 4-GicNAc)-O'Bu TFA Fmoc-Asn(GicNAc-1-+ 4-GicNAc)-OH (1) NHA Fmoc-Asn(GicNAc)-OH and 1 are used for automated solid-phase synthesis of H-Gly-Lys-Ala-Tyr-Thr-lie-Phe-Asn*-Lys-Thr-Leu-Met-NH2 Tetrahedron Lett. 1990, 31, 5893 ISOLATION OF A DONOR-ACCEPTOR SUPERPHANE WITH A QUINONE AND A CPCO-CYCLOBUTADIENE UNIT **Rolf Gleiter and Detlef Kratz** Organisch-Chemisches Institut der Universität Heidelberg, Im Neuenheimer Feld 270, D-6900 Heidelberg (W. Germany) Tetrahedron Lett. 1990, 31, 5897 A NOVEL OLEFINATION OF DIAZO-COMPOUNDS WITH CARBONYL COMPOUNDS MEDIATED BY TRIBUTYLSTIBINE AND CATALYTIC AMOUNT OF Cu(I)I Yi Liao and Yao-Zeng Huang* Shanghai Institute of Organic Chemistry, Chinese Academy of Sciences, 345 Lingling Lu, Shanghai 200032, China $\begin{array}{rcl} Bu_{3}Sb &+& N_{2}C_{z}^{Y} &+& R^{1} \\ &&& R^{2}C=0 & \underline{Cu(I)X} & R^{1} \\ &&& R^{2}C=C_{z}^{Y} &+& N_{2} &+& Bu_{3}Sb=0 & Bu_{3}Sb(OH)_{2} \\ &&& R^{2}C=C_{z}^{Y} &+& N_{2} &+& Bu_{3}Sb=0 & Bu_{3}Sb(OH)_{2} \\ &&& Y=Z=& CO_{2}Me; \ Y=H, \ Z=& CO_{2}Et; \ Y=Z=& COMe. \ X=& I, \ Br, \ Cl. \end{array}$

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