







Palladium Catalyzed Telomerization of Butadiene with Sucrose: A Highly Efficient Approach to Novel Sucrose Ethers Karlheinz Hill,* Bert Gruber, and Kenneth J. Weese, Henkel KGaA, D-40191 Düsseldorf, F.R.G.

The telomerization of butadiene with sucrose to sucrose octadienyl ethers at turn over numbers of 40000 is described.



AN APPROACH TO CHIRAL n⁴-BUTADIENE-Fe(CO)₃ **COMPLEXES VIA DIASTEREOSELECTIVE COMPLEXATION** OF NONRACEMIC 2-ALKOXY-4-VINYL-2,5-DIHYDROFURAN DERIVATIVES.

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Complexation of dienes 1 ($R = H \text{ or } CO_2Et$), which are accessible from (+)-L-arabinose, with Fe2(CO) leads to complexes 2 and 3 in a diastereomer ratio of ca. 1:3.



CHIRAL n⁴-BUTADIENE-Fe(CO)₃ COMPLEXES FOR ORGANIC SYNTHESIS: REACTIONS OF (n⁴-2-ALKOXY-4-VINYL-2,5-DIHYDROFURAN)-Fe(CO)3 DERIVATIVES.

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Optically active $Fe(CO)_3$ complexes 1 (R = H, CO₂Et) are hydrolyzed to aldehyde complexes 2. Treatment of 1 with nucleophiles in the presence of Lewis acids gives (diastereoselectively) substitution products of type 3.



ASYMMETRIC SYNTHESIS OF A PROTECTED PHOSPHONATE ISOSTERE OF PHOSPHOTHREONINE FOR SOLID-PHASE PEPTIDE SYNTHESIS

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