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Synthesis of conjugated oligomers : the preparation and characterization of oligothiophenes and oligophenyls

Degenhart, G.H.

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Stellingen:

Contrary to what common sense would dictate, substituted thiophene oligomers are unstable compared to their 1,4-diketone precursors. Chapter 3 and 4 of this thesis

The more fast, intermediate steps a reaction has, the less likely it is to be successfully adapted to different conditions. Chapter 4 of this thesis

The usefulness of Suzuki coupling reactions between aromatic compounds is more a matter of trial and error than a well-considered synthetic approach. Chapter 2 of this thesis. Brandsma, L., Vasilevsky, S. F., Verkruijsse, H. D., Application of Transition Metal Catalysts in Organic Synthesis, Springer Verlag Berlin Heidelberg; New York 1997

The oxidation of substituted benzylic and thenylic alcohols to ketones competes with a chain scission reaction that excludes most oxidants from this reaction. Chapter 3 of this thesis.

The claim of Gangadasu et al. that methyl-2-(acetyl) amino acrylate is the main product under the conditions described is not likely. Gangadasu, B. Narender, P. Bhurath Kumar, S., Ravinder, M., Ananda Rao, B., Ramesh, Ch., China Raju, B., Jayathirtha Rao, V., Tetrahedron, 2006, 62, 8398

It is advisable to smoke a cigarette in the laboratory when working with cyanides or diketenes, due to strong enhancement of the detection limit through taste. Gattermann, L., Ber. D. Chem. Ges., 1890, 23 (1), 1218. Boese, A. B. (jr), Ind. Chem. Eng. 1940, 32 (1), 16

The nucleophilic acylation of ethylvinylether with trifluoro acetic acid as described by Buback et al. does not result in the product 4-ethoxy-1,1,1-trifluoro-3-buten-2-one. Buback, M., Tost, W., Hübsch, T. Voss, E., Tietze, L. F., Chem. Ber., 1989, 122, 1179

It is regrettable that Poincaré and von Laue are seldom credited for their work on the well-known equation $E=Mc^2$. Laue, M., Ann. D. Phys., 1911, 32, 524. Poincaré, H., Arch. Néerl. Sc. Ex. Nat., 1900, 5, 252

In the early 21th century, there has been an alarming increase in the emission of climate hysteria.

The development of novel sources of alternative energy is pointless if there is little willingness to actually deploy existing sources of alternative energy.

One who doesn't know what he wants is unlikely to get what he wants.

Respect that is demanded instead of deserved, whether by force or by social pressure, is not respect but coercion.