ROSKILDE UNIVERSITY
Department of Science, Systems and Models

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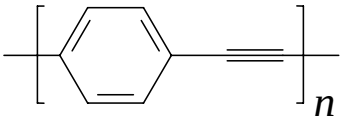
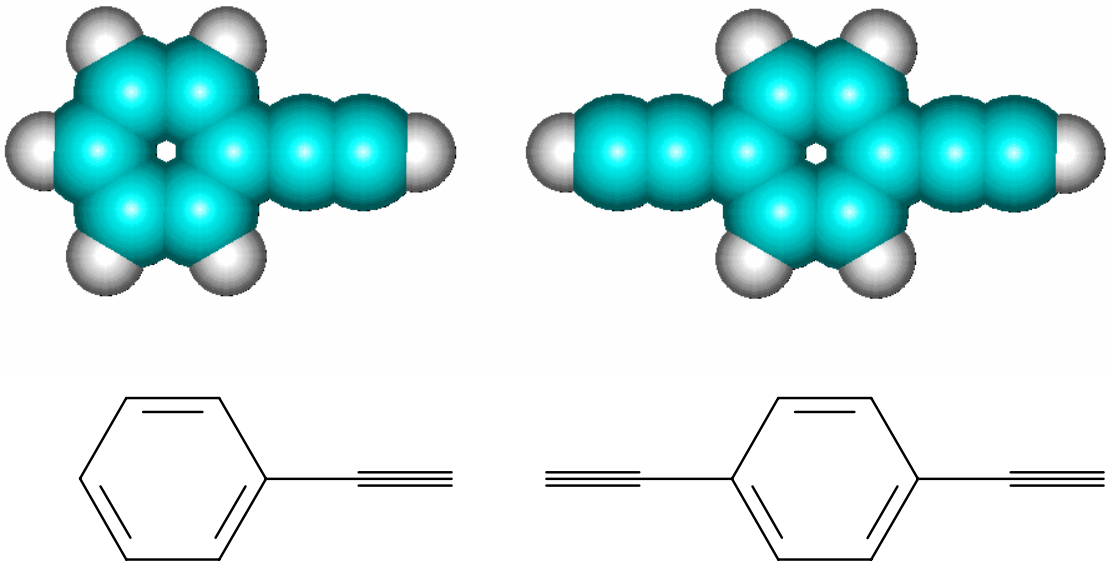
Project Suggestion:

Polarization spectroscopic investigation of phenylacetylene (PA) and 1,4-diethynylbenzene (DEB) aligned in stretched polyethylene



PPE

Poly(*p*-phenylene-ethynylene) (PPE) is frequently applied as an electrically conducting 'skeleton' in polymer-based solar cells. In a current Master's project [1] the probable conformational properties of this polymer is investigated by a polarization spectroscopic investigation of the model compounds 1,2-diphenylacetylene and 1,4-bis(phenyl-ethynyl)benzene oriented in stretched polyethylene. In this connection, it would be of great interest to investigate also phenylacetylene (PA) and 1,4-diethynylbenzene (DEB). For details, see [1].



PA **DEB**

[1] Current Master's Project in Chemistry (Signe H. Andersen):
http://akira.ruc.dk/~spanget/Projektforslag/Spanget_2_eng.pdf

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