


**Efficient synthesis of a polyacene monomer (Technion)**

**code:** CHM-0599

An efficient method has been developed for synthesizing a monomer that, when polymerized, is anticipated to exhibit directional (i.e. anisotropic) conductivity substantial (possibly immense) mechanical strength, and possibly even room temperature superconductivity. These polymers are named polyacenes. Possible applications include VLSI interconnects, long distance transmission lines, MRI/NMR, RF, and microwave filters, among others.

**Contact for more information:**

Gabriel Shemer , +972-4-8294851

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T - Technion Technology Transfer  
Technion City, Senate Bldg., Haifa 32000, Israel  
Tel. 972-4-829-4851; 972-8325-375  
Fax. 972-4-832-0845