

Synthesis of an elongated linear oligo(phenylene ethynylene)-based building block for application in DNA-programmed assembly

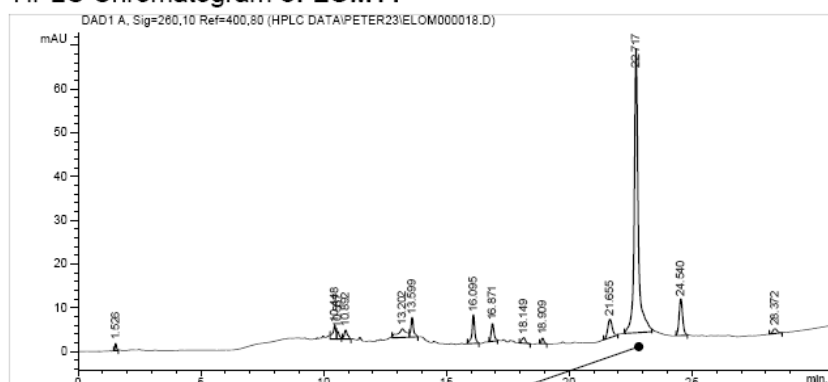
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HPLC analyses of ELOM 11, 12 and 13.

The analyses were performed on a Hewlett Packard Agilent 1100 Series using a Waters XTerra MS C18 2.5 μ m 4.6x50mm column. The following conditions were applied: T=60°C, flow= 0.5 mL/min, MeCN / triethylammonium Acetate, 0.1 M, pH 7, in water.

The chromatogram are displayed at 260 nm (Injected Vol= 60 μ L, approximately, ~20 pmol). The UV-absorption spectra of the major peaks (rt = ca 23.7 min) are shown below the chromatogram. The adsorption peak at 260 nm corresponds to DNA and the peak at 390 nm corresponds to the ELM chromophore.

HPLC Chromatogram of LOM11



UV spectrum of LOM11

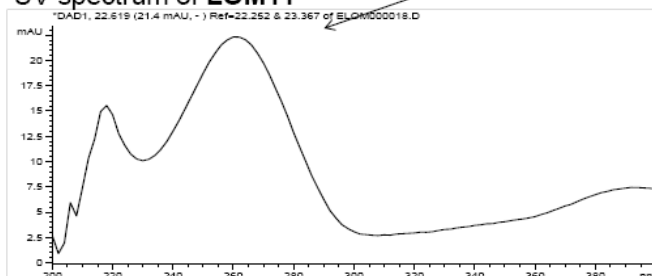


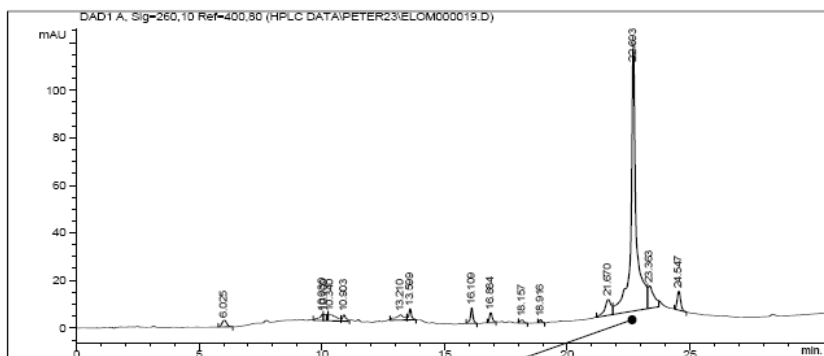
Fig. S1. HPLC Chromatogram of ELOM 11 at 260 nm and UV spectrum of the major peak.

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SUPPLEMENTARY INFORMATION

HPLC Chromatogram of LOM12



UV spectrum of LOM12

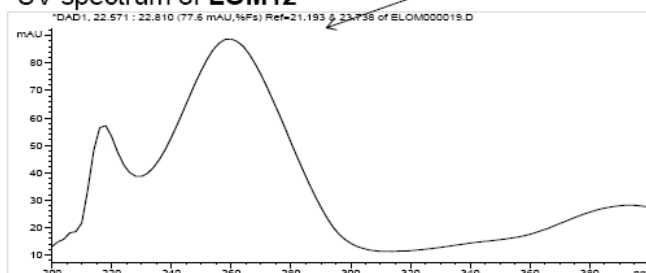
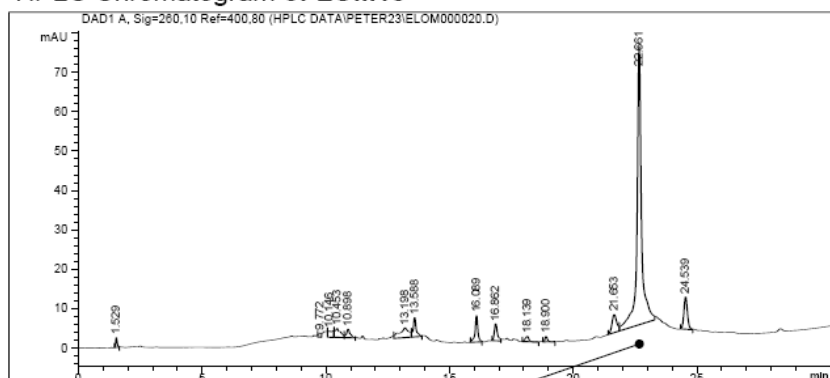


Fig. S2 HPLC Chromatogram of ELOM 12 at 260 nm and UV spectrum of the major peak.

HPLC Chromatogram of LOM13



UV spectrum of LOM13

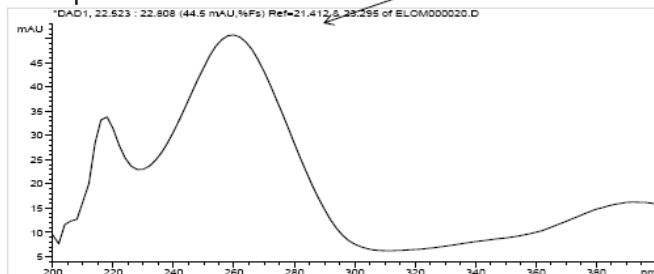


Fig S3 HPLC Chromatogram of ELOM 13 at 260 nm and UV spectrum of the major peak.