Title:	Structure–property relationships in lath-shaped triads based on multialkynylbenzene
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Abstract:	This report elaborates the synthesis of symmetrical triads based on multialkynylbenzene linked via flexible alkyl spacers. Four mesogens were synthesised in which multialkynylbenzene units were connected to each other in a side-by-side fashion with varying flexible alkyl spacers. The compound with longest alkyl spacer, i.e. n = 7, exhibited ND phase which has been characterised by polarised optical microscopy and detailed X-ray scattering studies (small/wide-angle X-ray scattering). Surprisingly, this triad shows ND phase at high temperature as compared to our previous reports on room-temperature ND phases.
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