

## **"clickable" thiacalix[4]arene derivatives bearing polymerizable 1,3-butadiyne fragments: Synthesis and incorporation into polydiacetylene vesicles**

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### **Abstract**

© 2016 The Royal Society of Chemistry. *p*-tert-Butylthiacalix[4]arene derivatives in 1,3-alternate stereoisomeric form bearing polymerisable 1,3-butadiyne fragments on the one side and amino/carboxylic groups on another were synthesized using stepwise functionalisation. Calixarene **7** embedded in polydiacetylene nanoparticles showed a selective colorimetric response toward lanthanide ions.

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