

triphenylmethane derivatives (tetraphenylmethane derivatives)

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New Triarylmethyl Derivatives: "Blocking Groups" for Rotaxanes and Polyrotaxanes.

— Five triarylcarbinols such as (III) are prepared for use as end groups in rotaxanes and polyrotaxanes. Since the triarylcarbinols cannot be directly introduced as blocking groups, the attachment of spacers carrying a functional group is achieved either by triarylcarbanion chemistry, e.g. via (IV), or by triarylcarbocation chemistry, e.g. starting with (IIIb). — (GIBSON, H. W.; LEE, S.-H.; ENGEN, P. T.; LECAVALIER, P.; SZE, J.; SHEN, Y. X.; BHEDA, M.; J. Org. Chem. 58 (1993) 14, 3748-3756; Dep. Chem., Virginia Polytech. Inst. State Univ., Blacksburg, VA 24061-0212, USA; EN)

