

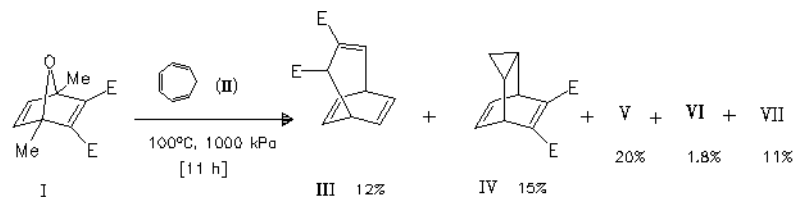
cycloaddition reactions

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High-Pressure Cycloaddition of Cycloheptatriene to Dimethyl 1,4-Dimethyl-7-oxabicyclo(2.2.1)hepta-2,5-diene-2,3-dioate. Trapping of an Ene Reaction Product.

— Both C=C double bonds of the title compound (I) are reactive with the triene (II) under high pressure and give the products (III) and (IV) via a retro-Diels-Alder process and the protocycloadducts (V) and (VI) in addition to the cycloadduct (VII) from (I) and 2,5-dimethylfuran in situ. The isolation of (VI) constitutes the trapping of an ene reaction product. — (TAKESHITA, H.; MORI, A.; KURAHASHI, Y.; NAGANO, Y.; Chem. Express 8 (1993) 2, 109-112; Inst. Adv. Mater. Stud., Kyushu Univ., Kasuga, Fukuoka 816, Japan; EN)



E: -CO-O-Me

