Brief Communication

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Dibenzocycloheptene and its 10,11-dihydroderivatives

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*Supervising author; ⁺Corresponding author Keywords: 5H-dibenzo[a,d]cycloheptene (dibenzosuberene), 10,11-dihydro-5Hdibenzo[a,d]cycloheptene (dibenzosuberane), 5H-dibenzo[a,d]cycloheptene-5-ole (dibenzosuberenole).

Abstract

Dibenzsuberene was obtained by interaction between dibenzosuberenole and 1,3,5-cycloheptatriene and triftoracetic acid with high yield. The interaction of dibenzosuberenole and triethylsilane in the same condition depends on the ratio of the reagents: the ratio 1:1 results in redaction of hydroxyl group, and dibenzosuberene is formed; and ratio 1:3 results in redaction of two groups - hydroxyl and 10, 11 CH=CH, and this process yields dibenzosuberane.