

Isomerism of certain derivatives of benzalacetophenone

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Abstract

1. p-Nitro-, m-nitro-, and p-chlorobenzalacetophenone (mp 113-114°C) have a trans-configuration of the ethylenic bonds and represent the s-cis-conformer both in solid form and in solution, with a possible admixture of the s-trans-isomer in solution. 2. p-Chlorobenzalacetophenone with mp 79-80°C is a cis-isomer with a negligible admixture of the trans-form and exists in the solid state as the s-cis-conformer. © 1969 Consultants Bureau.

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