

β -keto phosphonic esters communication 1. Phosphonoacetic and acetylphosphonic esters, and their homologs

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Abstract

1. The results reported point to an analogy between β -keto and β -alkoxycarbonyl derivatives of phosphonic and carboxylic esters. 2. Phosphonoacetic and 2-phosphonopropionic triesters do not contain appreciable amounts of the enol forms. 3. Titration with bromine indicates that acetylphosphonic and 1-methylacetylphosphonic esters contain small amounts of the enol forms. Considerable enolization occurs in an alkaline medium. 4. β -keto phosphonic esters prepared by the A. E. Arbuzov rearrangement differ in their properties from sodium diethyl phosphite. © 1958 Consultants Bureau Inc.

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