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## Substituted benzaldehydes in the darzens condensation with alkyl dihaloacetates

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### Abstract

The Darzens reaction of dihaloacetic acid esters with aromatic aldehydes produces either arylhaloglycidic or arylhalopyruvic esters depending on the nature of the substituent in the aromatic ring. Alkyl p- methoxyphenylchloropyruvates undergo spontaneous intermolecular cyclocondensation to form pyranone or furanone derivatives depending on the character of the alkyl fragment. © 2006 Springer Science+Business Media, Inc.

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### Keywords

Benzaldehydes, Darzens reaction, Dihalooacetic acids, Epoxides, Furan-2-ones, Glycidic acids, Pyran-2,3-diones, Pyruvic acids, X-ray diffraction study