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Bromination of Cinnamic Acid 2013  
Reaction Of Cinnamic Acid  
2013 Reaction of cinnamic acid with  
thionyl chloride to cinnamoyl chloride  
 $\text{OH O O Cl} + \text{SOCl}_2 + \text{HCl} + \text{SO}_2$   $\text{C}_9\text{H}_8\text{O}_2$  (148.2) (119.0)  $\text{C}_9\text{H}_7\text{ClO}$  (166.6)  
Classification Reaction types and  
substance classes reaction of the  
carbonyl group in carboxylic acids  
carboxylic acid, carboxylic acid  
chloride Work methods

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 $\text{OH O O Cl} + \text{SOCl}_2 + \text{HCl} + \text{SO}_2$   $\text{C}_9\text{H}_8\text{O}_2$  (1482) (1190)  $\text{C}_9\text{H}_7\text{ClO}$  (1666)  
Classification Reaction types and substance classes reaction of the carbonyl group in carboxylic acids

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Cinnamic acid is an organic compound with the formula  $\text{C}_6\text{H}_5\text{CH}=\text{CHCOOH}$ . It is a white crystalline compound that is slightly soluble in water, and freely soluble in many organic solvents. Classified as an unsaturated carboxylic acid, it occurs naturally in a number of plants. It exists as both a cis and a trans isomer, although the latter is more common.

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Cinnamic acid - Wikipedia  
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thionyl chloride to cinnamoyl chloride  
 $\text{OH O O Cl} + \text{SOCl}_2 + \text{HCl} + \text{SO}_2$   $\text{C}_9\text{H}$   
 $8\text{O}_2$  (148.2) (119.0)  $\text{C}_9\text{H}_7\text{ClO}$  (166.6)  
Classification Reaction types and  
substance classes reaction of

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Thionyl Chloride To  
reaction has as rate determining step  
the electrophilic addition of chlorine  
atom to the double bond. Keywords:  
styrene, cinnamic acid, Hunsdiecker  
reaction, trihaloisocyanuric acid, DFT  
Introduction The halodecarboxylation  
of carboxylic acids, also known as  
Hunsdiecker reaction, 1 is an  
important route to the preparation of

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A Green Hunsdiecker Reaction of  
Cinnamic Acids

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To But, it's not isolated nice of  
imagination. This is the grow old for  
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augmented future. The way is by  
getting 2013 reaction of cinnamic  
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the reading material. You can be  
hence relieved

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BACKGROUND. Principle: The reaction  
between aromatic aldehyde and an  
aliphatic anhydride capable of  
providing an ' active methylene '   
moiety in the presence of a basic

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With Thionyl Chloride To  
catalyst, such as acetate ion and a hydronium ion, which yields an  $\alpha, \beta$ -unsaturated carboxylic acid and a mole of acetic acid i.e. interaction between benzaldehyde and acetic anhydride in presence of acetate ion and a ...

## Synthesis of Cinnamic Acid from Benzaldehyde - Labmonk

The aromatic compounds cinnamic and p-hydroxycinnamic acids (pHCAs) are phenylpropanoids having applications as precursors for the synthesis of thermoplastics, flavoring, cosmetic, and health products. These two aromatic acids can be obtained by chemical synthesis or extraction from plant tissues. However, both manufacturing processes have shortcomings, such as the generation of toxic ...



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Production of Cinnamic and p-Hydroxycinnamic Acids in ...

Cinnamic acid is a monocarboxylic acid that consists of acrylic acid bearing a phenyl substituent at the 3-position. It is found in Cinnamomum cassia. It has a role as a plant metabolite. It is a member of styrenes and a member of cinnamic acids.

Cinnamic acid | C<sub>9</sub>H<sub>8</sub>O<sub>2</sub> - PubChem  
2013 Reaction Of Cinnamic Acid 2013  
Reaction of cinnamic acid with  
thionyl chloride to cinnamoyl chloride  
OH O O Cl + SOCl<sub>2</sub> + HCl + SO<sub>2</sub> C<sub>9</sub>H  
8O<sub>2</sub> (148.2) (119.0) C<sub>9</sub>H<sub>7</sub>ClO (166.6)  
Classification Reaction types and  
substance classes reaction of the  
carbonyl group in carboxylic acids  
carboxylic acid, carboxylic acid

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Reaction of cinnamic acid with  $\text{Br}_2/\text{Na}_2\text{CO}_3$ . Bookmark this question. Show activity on this post. The first reaction produces benzaldehyde, and the next one (perkin's condensation) produces Cinnamic acid. (X) Now the treatment of X with  $\text{Br}_2/\text{Na}_2\text{CO}_3$  is what's troubling me.  $\text{Na}_2\text{CO}_3$  being a base, abstracts the hydrogen from the  $\text{COOH}$  group.

organic chemistry - Reaction of cinnamic acid with  $\text{Br}_2$  ...  
Cinnamic acid (CA, trans-3-phenylacrylic acid, trans-3-phenyl-2-propenoic acid) and its derivatives are naturally occurring

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With Thionyl Chloride To substances found in various plants. They are important intermediates in biosynthetic pathways of secondary metabolites, which play key roles in plant growth, development, reproduction and disease resistance [ 1 ].

Design, Synthesis and Biological  
Evaluation of Novel ...

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Perkin reaction mechanism includes the reaction between aromatic aldehydes, the aliphatic acid anhydride, and the alkali salt of the acid to give cinnamic acid derivatives. The Perkin reaction is an organic chemical reaction named after its discoverer – William Henry Perkin. Example. The Perkin reaction gives an alpha, beta-unsaturated aromatic acid via the aldol condensation of an aromatic aldehyde and an acid anhydride. The alkali salt of the acid is also present. This alkali salt acts ...

Perkin Reaction Mechanism - In  
Depth Explanation and ...

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Chlorogenic acid  
(5-caffeoylquinic acid) ( Figure 2) is  
perhaps the most important cinnamic  
acid observed in fruits, contributing  
25% of the dry weight of the bilberry (  
Vaccinium) fruit.

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