

# CONVENIENT PREPARATION OF SOME CYCLOHEXA-1, 3- AND -1, 4-DIENECARBOXYLATES FROM BENZOIC ACIDS

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Cyclohexadienecarboxylic esters are useful synthetic precursors. A convenient method for the formation of methyl cyclohexa-1, 5-dienecarboxylates and methyl cyclohexa-2, 5-dienecarboxylates has been developed. The procedure for the 1, 3-diene esters involves the treatment of a benzoic acid with lithium and liquid ammonia, followed by subsequent boiling of the lithium salt of the dihydro-acid with potassium hydroxide and dimethyl sulfate in methanol. The treatment of the lithium salt of the dihydro-acid with dimethyl sulfate in methanol at room temperature yields the corresponding 1, 4-diene esters. This method is particularly useful for acid sensitive dienes.

## References

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