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## UNSATURATED AMIDES AND THEIR SYNTHESIS ACCORDING TO THE WITTIG REACTION

Organic synthesis makes possible the synthesis of the number of compounds with new properties and the ability of application in the different spheres of life.

Unsaturated compounds and their derivatives are the bases of polymeric materials. Amides of the unsaturated hydrocarboxylic acids as carriers of alkene linkage are one of possible variants for the synthesis.

In the Wittig reaction (a synthesis of unsaturates with double linkage C = C) phosphonium salts and their products that are formed under the influence of alcilidenphosphoranes or phospholipids are used.

Phosphonium salts are the product of phosphines-organic halogen derivatives interaction. Phosphonium salts containing amido groups (non-substituted or substituted) are required for the preparation of unsaturated amides with the help of this method. It is possible to get such phosphonium salts from the amides of chloracetic or bromoacetic acids.

The synthesis of phosphonium salts was realized due to acylation, particularly, bromacetylbromide acylation of benzocaine. In the same way we got such amides due to chloroacetochloride or bromoacetochloride acylation of corresponding amines.

## References

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