

LACTONE

Meaning: Lactone is a cyclic ester formed from the condensation of an alcohol and a carboxylic acid, often contributing to the aroma of fruits and flowers and used in medicinal chemistry.

1. Lactone is commonly found in the aroma compounds of various fruits and flowers.
2. The synthesis of lactone derivatives has significant implications in medicinal chemistry.
3. Researchers discovered a new lactone that exhibits antimicrobial properties.
4. In cooking, lactones can enhance the flavor profile of certain dishes, particularly in cheeses.
5. The stability of lactone rings can influence the material properties of biodegradable plastics.

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