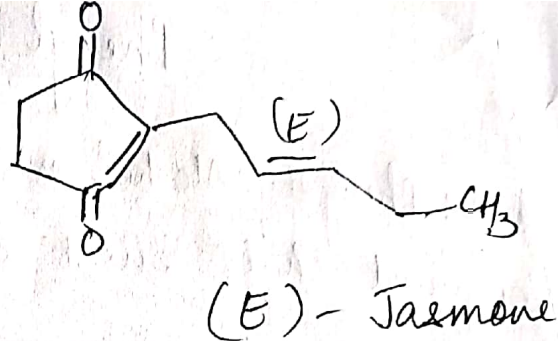
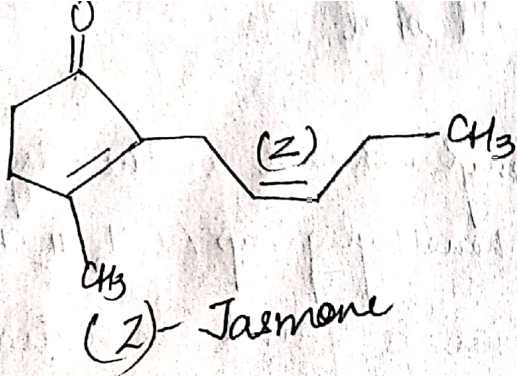




Jasmone (2 Isomers)

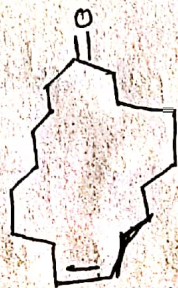
CIVETONE

Source:- It is a macrocyclic ketone and the main odorous constituent of civet oil. It is a pheromone sourced from the African civet. It has a strong musky odour that becomes pleasant at extreme dilutions.

Chemical Compositions:-

Civetone is closely related to muscone, the principal odouriferous compound found in the musk. The structure of both the compounds was elucidated by Leopold Ruzicka. Today, civetone can be synthesised from precursor chemicals found in palm oil.

Cosmetic Properties and Uses:- Civetone is semisolid with a boiling point of 342°C is used as a perfume fixative flavour

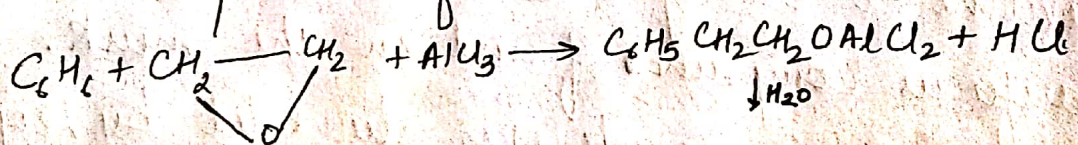


(Z)-9-cycloheptadecen-1-one

2-Phenyl Ethyl Alcohol

Source: Phenethyl Alcohol or 2-Phenyl Ethanol is the organic compound that consists of a phenethyl group ($C_6H_5CH_2CH_2$) group attached to OH. Phenethyl alcohol is found in extract of Rose, Carnation, Hyacinth, Aleppo pine, Orange blossom, Ylang-ylang, Geranium, Neroli and Champaca. It is produced by many plants and animals. It occurs widely in nature, being found in a variety of essential oils. It has a pleasant floral odour.

It can be synthesised in laboratory also. Most common is Friedel-Crafts reaction between benzene and ethylene oxide in the presence of $AlCl_3$.



Chemical Composition:- It is a Colourless, transparent, slightly viscous liquid that is slightly soluble in water (2ml/100ml H_2O) but miscible with most organic solvents.

Cosmetic Properties and Use:- It is an autoantibiotic produced by fungus *Candida Albicans*. It is a common ingredient in flavours and perfumery, particularly where the odour of rose is desired. It is also used as a preservative in soaps due to its stability in basic conditions. It is of interest due to its antimicrobial properties.

In Cosmetics and personal care products, Phenethyl Alcohol is used in the formulation of eye area make up, make-up products, skin care products, shampoos and perfume and Colognes. It prevents or retards bacterial growth and thus protect Cosmetics and personal care products from Spoilage.