

SYNTHETIC ROUTE OF ANETHOLE

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Anethole is colorless fragrant; it resembles herb. This compound is likely to be viscous not completely soluble in water, which makes it better suited for ethanol. Anethole is an unsaturated ether component, one aromatic benzene ring is connected with unsaturated aliphatic carbon chains; that is used for its flavoring properties. It is 13 times sweeter than sugar. Today it can be used in drinks to help make them more palatable and sweeter. It is also used in specific oral hygiene products, seasonings and frozen berry products. Not only does the compound add a specific taste to items, but it also has incredibly helpful elements. We have prepared this anethole from anisole reaction with propionyl chloride under Friedel Craft's reaction. Later, ketone form changed into hydroxyl in presence of NaBH₄ and further dehydrogenated with KHSO₄ to form isomer of anethole. This isomer was separated from freezing method. The obtained trans-anethole was 99.98% (GC).

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