

# ETHYL CYANOACETATE



CAS Number: 105-56-6

Other Names: Ethyl 2-cyanoacetate; Cyanoacetic acid ethyl ester

Formula:  $C_5H_7NO_2$

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## PRODUCT INTRODUCTION

Ethyl cyanoacetate is an organic compound that contains a carboxylate ester and a nitrile. Ethyl cyanoacetate appears as a colorless liquid. This material is useful as a starting material for synthesis due to its variety of functional groups and chemical reactivity.

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## PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Colorless Transparent Liquid
Purity	99.67 %
Moisture	0.020 %
Acidity	0.0058 %

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## APPLICATIONS

- Ethyl cyanoacetate is a building block for the synthesis of heterocycles which are used for example as drugs: Allopurinol.
- The pyrrole ethosuximide is used to treat epilepsy, it can be obtained from ethyl cyanoacetate and butanone in a multistep synthesis.
- The most important application of cyanoacetates is in the field of adhesives.

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## PACKAGING OPTIONS

Drums

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