

CYANOACETAMIDE



Cas Number: 107-91-5

Other Names: 2-Cyanoacetamide, Malonamide nitrile, Cyanoiminoacetic acid, Propionamide nitrile, alpha-Cyanoacetamide.

Formula: C₃H₄N₂O

PRODUCT INTRODUCTION

Cyanoacetamide (2-Cyanoacetamide) is an organic compound having chemical formula C₃H₄N₂O. It is an acetic amide with a nitrile functional group. It appears as white crystalline powder, odorless and highly soluble in water.

PHYSICAL AND CHEMICAL PROPERTIES

Purity	99.8 %
Water	0.12 %
Melting Point	121.5 °C
Residue on Ignition	0.010%
Clarity	Qualified
Appearance	White Crystalline Powder

APPLICATIONS

- Cyanoacetamide is the starting reagent for vitamin B6 synthesis. It reacts with reducing carbohydrates in borate buffer to give intense fluorescence and is useful for the automated analysis of carbohydrates as borate complexes.
- It is also used in the synthesis of heterocyclic compounds such as pyrazole, pyridine and pyrimidine derivatives.

- Moreover, it can also be applied for the spectrophotometric assay of the enzyme activity of cellulose in related host cells.
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PACKAGING OPTIONS

Drums

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