

PIPERIDINE



CAS Number: 110-89-4

Other Names: Hexahydropyridine; Cyclopentimine; Azacyclohexane;
Cypentil; Hexazane; Pentamethyleneimine

Formula: C₅H₁₁N

PRODUCT INTRODUCTION

Piperidine is an azacycloalkane with chemical formula C₅H₁₁N. It appears as a clear colorless liquid with a pepper-like odor. It is miscible with ethanol, water, ethyl ether, acetone, benzene and chloroform. Piperidine is a widely used building block and chemical reagent in the synthesis of organic compounds, including pharmaceuticals.

PHYSICAL AND CHEMICAL PROPERTIES

Water	0.1 %
Piperidine Assay by GC	99.6 %
Pyridine	0.0 %
Color	10 Ea.

APPLICATION

- Extensively finds applications as a base, a nucleophile and a solvent.
- It is used for the production of dipiperidinydithiuram tetrasulfide, which is used as a rubber vulcanization accelerator.
- It is commonly used in solid phase peptide synthesis and in chemical degradation reactions (sequencing of DNA).
- Piperidine is commonly used in making rubber, curing epoxy resins and in fine chemicals, and pharmaceuticals.

PACKAGING OPTIONS

Drums

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