

Descriptions:**Synonyms:**

Cyclohexylmethanamine, cyclohexyl-methyl-aminemethylcyclohexylamine, [corrosive label] Cyclohexylamine, N-methyl-1-Methylcyclohexylamine, Cyclohexanamine, N-methyl-Methylcyclohexylamine, N-Cyclohexylmethanamine

CAS No.: 100-60-7

Molecular Formula: C₇H₁₅N (Isomeride)

Molecular Weight: 113.204

EINECS: 202-869-3

Category: Pharmaceutical Intermediates

Physicochemical properties

Density: 0.868

Melting point: -8°C

Boiling point: 149°C

Refractive index: 1.4545-1.4565

Flash point: 29°C

Vapor pressure: 4.62 mmHg at 25°C

PSA: 12.03000

logP: 1.92940

Appearance: transparent and colorless liquid

Color: colorless liquid

Physical Property: transparent and colorless liquid, Miscible with various organic solvents, slightly soluble in water. Melting point: -8°C; Boiling point: 149°C; Density: 0.868 g/mL at 25°C; Refractive index: n₂₀/D 1.456 (lit.) Flash point: 29°C; Water solubility: 5.4 g/100 mL (20°C) transparent and colorless liquid. Miscible with various organic solvents, slightly soluble in water. Boiling point 147~151°C Relative density 0.868 Refractive index 1.4456 Flash point 29°C Solubility Miscible with various organic solvents, slightly soluble in water

Solubility: Slightly soluble in water, soluble in benzene, alcohol, etc

Application:

Used as intermediates in medicine and dyes

Pharmaceutical and dye intermediates. Used as an intermediate in the drug bromohexamine hydrochloride

Production Method:

With cyclohexylamine as raw material prepared. 2. By the reaction of cyclohexanone and methylamine. Soak aluminum sheet in methanol, add high mercury chloride, continue to soak 2h, temperature rise does not exceed 55°C, remove the soaking liquid. Add ethanol to the activated aluminum sheet, drop the mixture of methylamine and cyclohexanone under agitation, heat reflux, and place overnight. Adding 10% sodium hydroxide solution alkalization, extracting with benzene twice, after washing by distillation, benzene recovery that distillation of n-methyl cyclohexylamine. The yield is about 80% ;

Storage and transport information: :

It should be sealed and stored in a dry and cool ventilated warehouse

Packaging:

200KG/ drum storage: It is recommended to store in dry and cool areas and properly ventilated. After the original packaging, please fasten the packaging cover as soon as possible to prevent moisture and other substances from mixing and affecting the product performance. Do not inhale dust and avoid skin and mucous membrane contact. Smoking, eating and drinking are prohibited in the workplace. After work, shower and change. Store contaminated clothes separately and reuse them after washing. Maintain good hygiene.

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