

1-BROMO-3-CHLOROPROPANE



CAS Number: 109-70-6

Other Names: 3-Bromopropyl chloride, Trimethylene chlorobromide, 3-Chloropropyl bromide, 3-Bromo-1-chloropropane, 1, 3-Chlorbromopropane, I-BCP.

Formula: C_3H_6BrCl

PRODUCT INTRODUCTION

A colorless liquid. Insoluble in water and denser than water. May be toxic by inhalation, ingestion or skin absorption. Used to make pharmaceuticals and other chemicals. 1-Bromo-3-chloropropane can be used safer and equally efficient alternative to chloroform as a phase-separation agent in the 1-step method of RNA isolation from biological samples such as animal and plant tissue.

PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Clear Liquid
1-Bromo-3-chloropropane	99.8 %
Color	1 APHA
Water	0.010 %

APPLICATIONS

- Drug product, or related to the manufacturing of drugs; modified by veterinary, animal, or pet if indicated by source.
- Manufacturing, chemical. General term used only when the only information known from the source is 'chemical,' typically related to manufacturing of chemicals, or laboratory chemicals.
- In organic synthesis; in pharmaceuticals.
- Chemical intermediate for pharmaceuticals-e.g., acetophenazine maleate.
- Chemical intermediate for org synth, e.g., dialkylaminopropyl chlorides.
- Used as a chemical intermediate for the synthesis of cyclomethycaine; fluphenazine; opipramol; pentoxifylline; perphenazine; piperocaine; prochlorperazine; propentofylline; reproterol; trazodone; trifluoperazine; urapidil; verapamil.
- 1-Bromo-3-chloropropane is a useful reaction intermediate to prepare gamma-chloropropyl derivatives...for example, the cyanide displacement of 1-bromo-3-chloropropane forms gamma chlorobutyronitrile, an intermediate used for the production of herbicides, pesticides, pharmaceuticals, and other commercial products.
- Industry Uses - Ion exchange agents.
- Consumer Uses - Laundry and dishwashing products

PACKAGING OPTIONS

1. Drums
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