

Triethanolamine hydrochloride

Cat. No. THGZ-0001

Lot. No. (See product label)

Introduction

Description

Triethanolamine hydrochloride is the hydrochloride salt of triethanolamine, supplied as a water-soluble crystalline solid for laboratory buffer and pH-adjustment applications.

Applications

Buffer preparation; pH adjustment; biochemical reagent formulations.

Synonyms

2,2',2''-Nitrilotriethanol hydrochloride; Tris(2-hydroxyethyl)amine hydrochloride; Triethanolammonium chloride

Product Information

Appearance

White to light yellow powder or crystals

Form

Solid

CAS No.

637-39-8

Molecular Formula

$C_6H_{15}NO_3 \cdot HCl$

Chemical Name

2,2',2''-Nitrilotriethanol hydrochloride

Molecular Weight

185.65 g/mol

Structure

Protonated triethanolamine with chloride as the counterion.

Function

Buffer component and pH-adjusting reagent.

Melting Point

176–180°C

Solubility

Soluble in water.

Quality

Hygroscopic crystalline solid

Density

1.3539 g/cm³ at 20°C

Usage

For laboratory buffer preparation, pH adjustment, and biochemical formulation research.

Storage and Shipping Information

Storage

Store at 15–25°C in a cool, dry place. Keep tightly closed and protect from moisture.