



938 South Andreasen Drive, Suite E  
Escondido, CA 92029 USA

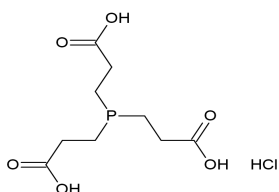
Phone: +1-760-738-1508  
Fax: +1-760-738-1530  
info@auroramedbiochem.com  
[www.auroramedbiochem.com](http://www.auroramedbiochem.com)

## TCEP Hydrochloride

**ALTERNATE NAME:** Tris(2-carboxyethyl)phosphine hydrochloride; TCEP HCl

**CATALOG #:** AUR11560

**STRUCTURE:**



**MOLECULAR FORMULA:**  $C_9H_{15}O_6P \cdot HCl$

**MOLECULAR WEIGHT:** 286.64

**CAS#:** 51805-45-9

**APPEARANCE:** White to off-white solid

**SOLUBILITY:** Water (50 mg/ml)

**PURITY:**  $\geq 98\%$  by TLC

**STORAGE:** Store at +2-8°C. Protect from air and moisture

**DESCRIPTION:** TCEP hydrochloride is a water-soluble and odorless disulfide-reducing agent that is more stable and effective than DTT. TCEP reduces even the most stable water-soluble alkyl disulfides at pH 4.5 within 5 minutes. TCEP is also capable of functioning as a reducing agent even in the pH range of 1.5-8.5.

**HANDLING:** Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure