MCE MedChemExpress

# Certificate of Analysis



## TCEP (hydrochloride)

**Cat. No.:** HY-W011500

**CAS No.:** 51805-45-9

**Batch No.:** 57299

**Chemical Name:** Propanoic acid, 3,3',3''-phosphinidynetris-, hydrochloride (1:1)

### PHYSICAL AND CHEMICAL PROPERTIES

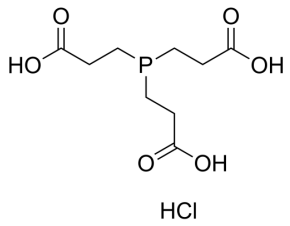
**Molecular Formula:** $C_9H_{16}ClO_6P$

**Molecular Weight:** **286.65**

**Storage:** 4°C, protect from light, stored under nitrogen

* In solvent : -80°C, 6 months; -20°C, 1 month (protect from light, stored under nitrogen)

**Chemical Structure:**




### ANALYTICAL DATA

**Appearance:** White to light yellow (Solid)

**$^1$H NMR Spectrum:** Consistent with structure

**Purity (NMR):** **≥98.0%**

**Conclusion:** The product has been tested and complies with the given specifications.

**Caution: Product has not been fully validated for medical applications. For research use only.**

Tel: 609-228-6898 Fax: 609-228-5909 E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA