

SPECIFICATION SHEET

Product Name: TCEP, Hydrochloride**Catalog # TC01-Q29A**

Product Description: Tris(2-carboxyethyl)phosphine is a water-soluble phosphine reducing agent widely used in biochemistry to cleave disulfide bonds in proteins while remaining stable in aqueous and oxygen-rich environments. Due to its advantages such as being odorless, having strong reducing ability, and good stability, it is often used as an ideal substitute for DTT (dithiothreitol) and β -mercaptoethanol.

Storage and Stability: Store product in original sealed dark packaging at 2~8°C. Product stored under these conditions should be stable for up to 24 months.

Data for a Sample Lot:

Appearance : White crystalline solid

Molecular weight : 286.65 kDa

Purity : $\geq 98\%$

Melting point : 176-186°C