

Catalog	Unit
TBI2961 - 1G	1 g
TBI2961 - 5G	5 g

Product Details

Formal Name: Tris(-Carboxyethyl)phosphine HCl

Molecular Formula: C₉H₁₅O₆P · HCl

Formula Weight: 286.7

CAS Number: 51805-45-9

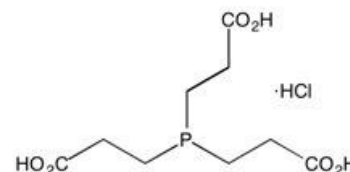
Purity: >99%

Formulation: Powder

Solubility: Soluble in Water (up to 50 mg/ml)

Storage: -20°C

Stability: ≥ 2 years.



Applications

Reducing agent

Functions

TCEP HCl (51805-45-9) is a reagent for selective reduction of disulfides in aqueous solutions with distinct advantages over DTT which are application specific. For example, spin labels are more stable with TCEP than DTT, Ni²⁺ (leached from affinity columns) causes rapid oxidation of DTT with no effect on TCEP and for long term storage of proteins TCEP is more stable than DTT with no metal chelator (EGTA) present, but DTT is more stable in the presence of metal chelators.

Application Procedures

Dissolved in water (up to 50 mg/ml). Solutions in distilled water may be stored at -20°C for up to 1 month.

Relative Products

TBI1170	Mitomycin C
TBI1345	E64, Cysteine protease inhibitor
TBI1347	E64d, Cysteine protease inhibitor
TBI2064	Chromomycin A3
TBI2069	Cytochalasin B
TBI2794	5-EDU, DNA Click labeling probe
TBI2071	Cytochalasin D
TBI1286	Bestatin, Aminopeptidase inhibitor
TBI2140	Gemcitabine
TBI2058	Aphidicolin, DNA polymerase Inhibitor

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