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Product Specifications

Catalogue Number	98005
Product	Tris-(carboxyethyl)phosphine hydrochloride TCEP•HCl
CAS Number	51805-45-9
Molecular Formula	C ₉ H ₁₅ O ₆ P•HCl
Molecular Weight	286.6

Warnings	<i>Corrosive!</i>
Appearance	White crystalline powder, or white crystal
Solubility	Clear and colorless (1.1M in water).
Melting Point	176-186 °C
¹H NMR	Consistent with structure (D ₂ O). <10% NH ₄ Cl (DMSO).
³¹P NMR	No peak at 15ppm (D ₂ O).
Assay	≥ 98.0%
Application	Reagent used in the reduction of disulfide bonds.
Storage	Store at 0-8 °C under Nitrogen

For Laboratory Use Only