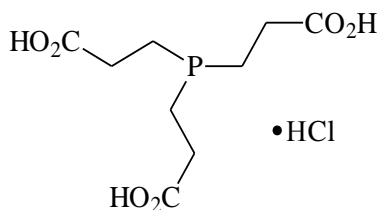


SPECIFICATIONS

cGMP TRIS(2-CARBOXYETHYL) PHOSPHINE, HYDROCHLORIDE (cGMP TCEP-HCl)



Catalogue Number	1301
CAS Registry Number	51805-45-9
Molecular Formula	C₉H₁₅O₆P-HCl
Formula Weight	286.65 g.mol⁻¹
Appearance	White solid
Solubility (1.1 M)	Clear and Colorless
Loss on Drying	NMT 0.5%
Melting Point	177 ± 2°C
¹H NMR (DMSO)	< 10% NH₄Cl
¹H NMR (D₂O)	Conforms to assigned structure
³¹P NMR (D₂O)	No peak at 15 ppm
Purity (Assay)	≥ 98.0%
Turbidity	Report Only
Storage	-15 ± 5°C under nitrogen
Use	For the reduction of disulfide