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Product Datasheet

TCEP HCl, CAS [[51805-45-9]] FBM-10-2961

Article Name	TCEP HCl, CAS [[51805-45-9]]
Biozol Catalog Number	FBM-10-2961
Supplier Catalog Number	10-2961
Alternative Catalog Number	FBM-10-2961-1G,FBM-10-2961-5G
Manufacturer	Focus Biomolecules
Category	Biochemikalien
Product Description	Reducing agent...
Molecular Weight	286.65
Purity	99% by TLC NMR (Conforms)
Form	White solid
CAS Number	[51805-45-9]
Formula	C ₉ H ₁₅ O ₆ P HCl
Application Notes	A reagent for selective reduction of disulfides in aqueous solutions ¹⁻³ with distinct advantages over DTT which are application specific ³ . For example, spin labels are more stable with TCEP than DTT, Ni ²⁺ (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. ³