

0.5 M THP Solution Reducing agent compatible with His.Bind chromatography

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Unit	EA
Deliverydetails	UN2922 (6.1) II

Description

Reducing agent compatible with HIS-BIND(R) chromatography, THP [Tris(hydroxypropyl)phosphine, C₉H₂₁O₃P] is a water-soluble, odorless, sulfhydryl reducing agent that is more stable and effective than dithiothreitol (DTT). Against oxidized glutathione, the reducing capacity of THP (0.232 meq/g) is greater than that of TCEP (0.182 meq/g). THP is also more resistant to air oxidation than DTT and is compatible with immobilized metal affinity chromatography with HIS-BIND(R) and Ni-NTA His•Bind resins at concentrations up to 1.0 mM. The common working concentration of THP for many applications is 15 mM. THP is provided as a ready-to-use 0.5 M solution in water. Purity: >80% by NMR. CAS: 4706-17-6. MW: 208.2.