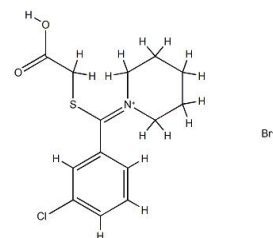


Technical Data Sheet

STREPTAVIDIN

Compound Information

| | |
|---------------------------|---|
| Product Name: | STREPTAVIDIN |
| CAS No.: | 9013-20-1 |
| Molecular Formula: | C ₁₄ H ₁₇ BrClNO ₂ S |
| Molecular Weight: | 378.71228 |
| Storage: | Powder -20°C 3 years; 4°C 2 years In solvent -80°C 6 months; -20°C 1 month |
| Revision Date: | 2026-04-15 |



Analytical Information

| Tests | Specifications |
|-------------------|--|
| Description | Streptavidin (High efficiency) is a biotin binding protein and has the ability to bind four molecules of biotin. |
| Form | lyophilized powder |
| Color | White |
| Solubility | H ₂ O: 0.1 mg/mL, clear, colorless |
| Activity | ≤10 units/mg powder |
| Formulation | lyophilized from a 25mg/ml solution in 10 mM potassium phosphate buffer pH 6.5 |
| Native Source | Streptomyces avidinii |
| PH | 5 -9 |
| Purity | ≥ 97% |
| Specific Activity | 16.8 U/mg, 1 unit binds 1μg biotin |
| Stability | Highly stable at ≤0 °C |

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