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Data Sheet

Desthiobiotin

Cat. No.: 2-1000-001; 2-1000-002; 2-1000-005

Version: 6.1
Revision Date: 28.07.2021

Description	Desthiobiotin is an efficient competitor for the mild elution of Strep-tag®II and Twin-Strep-tag® fusion proteins from Strep-Tactin® resins. It is generally used at 2.5 mM concentration in a buffer compatible with the recombinant target protein. pH 8.0 is recommended. At least, the buffer should be slightly alkaline for efficient dissolution of desthiobiotin.
Full Name/CAS-No.	Desthiobiotin (5-Methyl-2-oxo-4-imidazolidinehexanoic acid), 533-48-2
Formula	C ₁₀ H ₁₈ N ₂ O ₃
MW	214.3 g/mol
Form	Powder
Stability	12 months after shipping
Storage	Recommended: 2-8 °C
Shipping	Room temperature
Hazards	Product is not classified as hazardous according to (EC) No 1272/2008 [CLP]. A Material Safety Data Sheet is provided.
Application	Prepare a 2.5 mM working solution for elution of Strep-tag®II or Twin-Strep-tag® proteins from Strep-Tactin® resins. Therefore, completely dissolve 0.107 g desthiobiotin in 200 ml of a buffer compatible with the recombinant protein (e.g., Buffer W: 100 mM Tris-Cl pH 8.0, 150 mM NaCl, 1 mM EDTA). Do not use Desthiobiotin for elution from Strep-Tactin®XT resin!

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