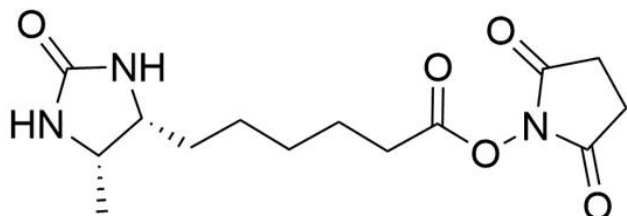




DESTHIOBIOTIN NHS ESTER

SKU: CCT-1201



DESCRIPTION

Desthiobiotin is a single-ring, sulfur-free analog of biotin that binds to streptavidin with nearly equal specificity but less affinity than biotin ($K_d = 10^{11}$ vs. 10^{15} M, respectively). Consequently, desthiobiotinylated proteins can be eluted readily and specifically from streptavidin affinity resin using mild conditions based on competitive displacement with free biotin. For pull-down experiments with biological samples, this soft-release characteristic of desthiobiotin also helps to minimize co-purification of endogenous biotinylated molecules, which remain bound to streptavidin upon elution of the target protein complexes with free biotin.

SPECIFICATIONS

CAS Number	80750-24-9
Molecular Weight	311.34
Appearance	White solid
Chemical Formula	C ₁₄ H ₂₁ N ₃ O ₅
Purity	>95%
Unit Size	100 mg, 500 mg, 1000 mg
Solubility	DMSO, DMF

For research use only. Not intended for therapeutic or diagnostic use in animals or humans.



Storage Instructions

-20°C

Shipping Conditions

Ambient temperature

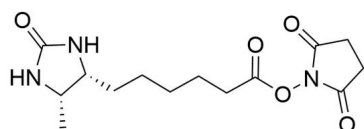
Shipping Instructions

Ambient temperature

DOCUMENTS

- [Safety Data Sheet](#)
- [Download CoA](#)
- [Datasheet](#)

GALLERY IMAGES



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