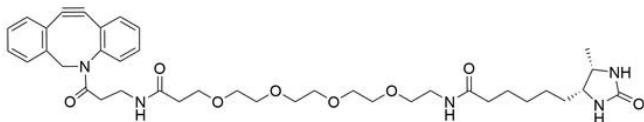




## **DESTHIOBIOTIN-PEG4-DBCO**

**SKU:** CCT-1108



### **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**

<b>CAS Number</b>	N/A
<b>Molecular Weight</b>	719.87
<b>Appearance</b>	Colorless to slightly yellow oil
<b>Chemical Formula</b>	C <sub>39</sub> H <sub>51</sub> N <sub>5</sub> O <sub>8</sub>
<b>Purity</b>	>95% (HPLC)
<b>Unit Size</b>	10 mg, 25 mg, 100 mg
<b>Solubility</b>	DMSO, DMF, DCM, THF, Chloroform
<b>Storage Instructions</b>	-20°C. Desiccate
<b>Shipping Conditions</b>	Frozen

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



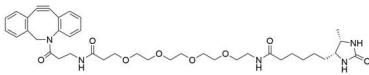
Shipping Instructions

Frozen

## DOCUMENTS

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

## GALLERY IMAGES



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