www.vectorlabs.com
Email: customerservice@vectorlabs.com
Telephone: (650) 697-3600

DESTHIOBIOTIN ALKYNE

SKU: CCT-1109

[redacted]

DESCRIPTION

Desthiobiotin is a single-ring, sulfur-free analog of biotin that binds to streptavidin with nearly equal specificity but less affinity than biotin (Kd = 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	1951424-89-7
Molecular Weight	427.5
Appearance	Colorless to slightly yellow oil
Chemical Formula	C21H37N3O6
Purity	>95% (HPLC)
Unit Size	5 mg, 25 mg, 100 mg
Solubility	DMSO, DMF
Storage Instructions	-20°C
Shipping Conditions	Ambient temperature
Shipping Instructions	Ambient temperature

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

www.vectorlabs.com
Email: customerservice@vectorlabs.com
Telephone: (650) 697-3600

DOCUMENTS

- Safety Data Sheet
- Datasheet

GALLERY IMAGES



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