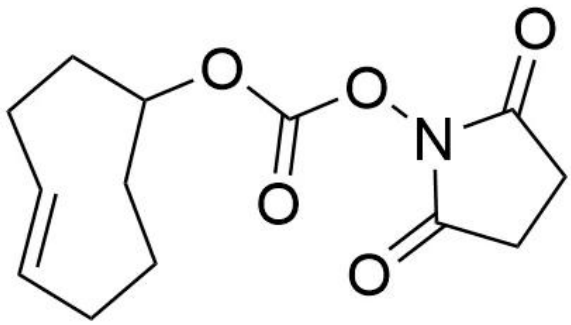
www.vectorlabs.com
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Telephone: (650) 697-3600

TCO-NHS ESTER (EQUATORIAL)

SKU: CCT-1016



DESCRIPTION

TCO-NHS Ester is an amine-reactive building block used for modification of amine-containing molecule in organic media. TCO-NHS ester is supplied as a single equatorial (major, *rel*-(1S-2S-5E-pR), ref 1 and 4) diastereomer. Specially formulated crystalline provides easy handling and extended shelf life.

Important Product Information:
TCO-NHS Ester is not recommended for labeling of proteins in aqueous buffers due to poor level of activation of labeled proteins (Rahim, M.K., *et al*., Bioconjugate Chem. 2015, 26, 352-360). TCO-PEG4-NHS Ester is well suited for protein and antibody labeling in aqueous buffers.

SPECIFICATIONS

CAS Number	1191901-33-3
Molecular Weight	267.28
Appearance	White to slightly grey crystalline
Chemical Formula	C13H17NO5
Purity	>95% (HPLC)

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

Unit Size	25 mg, 100 mg, 1000 mg
Solubility	DMSO, DMF, DCM, THF, Chloroform
Storage Instructions	-20°C. Desiccate
Shipping Conditions	Dry ice
Shipping Instructions	Dry ice

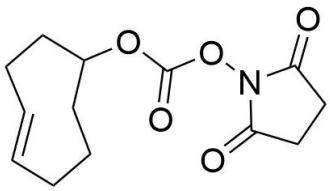
SELECTED REFERENCES

1. Royzen, M., *et al.* (2008). A Photochemical Synthesis of Functionalized trans-Cyclooctenes Driven by Metal Complexation. *J. AM. CHEM. SOC.,* **130**: 3760-1. [PubMed]
2. Blackman, M.L., *et al.* (2008). Tetrazine ligation: fast bioconjugation based on inverse-electron-demand Diels-Alder reactivity. *J. AM. CHEM. SOC.,* **130**: 13518-9. [PubMed]
3. Rahim, M.K., *et al.* (2015). Enhancing Reactivity for Bioorthogonal Pretargeting by Unmasking Antibody-Conjugated trans-Cyclooctenes. *Bioconjugate Chem.,* **26**: 352-60. [PubMed]
4. Rossin, R., *et al.* (2013). Highly Reactive trans-Cyclooctene Tags with Improved Stability for Diels−Alder Chemistry in Living Systems. *Bioconjugate Chem.,* **24**: 1210-7. [PubMed]

DOCUMENTS

- Safety Data Sheet
- Download CoA
- Datasheet

GALLERY IMAGES



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