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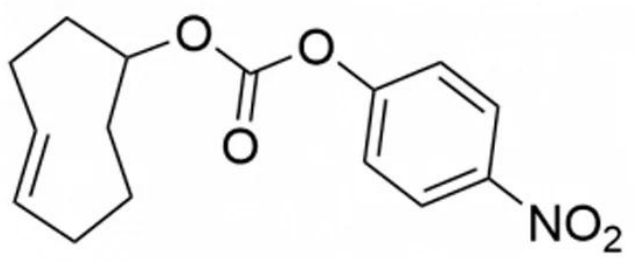
TCO-PNB ESTER (EQUATORIAL)

SKU: CCT-1192



DESCRIPTION

TCO-PNB Ester is an amine-reactive building block used for modification of amine-containing molecule in organic media. TCO-PNB 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-PNB 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 and TCO-PEG12-NHS Ester are well suited for protein and antibody labeling in aqueous buffers.

SPECIFICATIONS

CAS Number	1438415-89-4
Molecular Weight	291.3
Appearance	White to slightly grey solid
Chemical Formula	C15H17NO5
Purity	>95% (HPLC)

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

Unit Size	25 mg, 100 mg, 100 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