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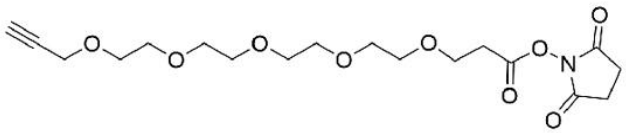
Email: customerservice@vectorlabs.com
Telephone: (650) 697-3600

ALKYNE-PEG4-NHS ESTER

SKU: CCT-TA103



DESCRIPTION

Alkyne-PEG4-NHS Ester is a labeling reagent that can be used to modify primary amine groups (e.g., a side chain of lysine residues or aminosilane-coated surfaces) with a terminal alkyne group via a stable, covalent amide bond. The terminal alkyne group can be reacted with azides via CuAAC enabling efficient and specific conjugation of derivatized molecules in biological samples.

SPECIFICATIONS

CAS Number	1393330-40-9
Molecular Weight	401.41
Appearance	Colorless to slightly yellow oil
Chemical Formula	C18H27NO9
Purity	>95% (HPLC)
Unit Size	25 mg, 100 mg, 1000 mg
Solubility	DMSO, DMF, DCM, THF, Chloroform
Storage Instructions	-20°C. Desiccate
Shipping Conditions	Ambient temperature
Shipping Instructions	Ambient temperature

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

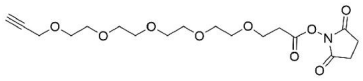
SELECTED REFERENCES

1. Graham, A. J., *et al.* (2022). Extracellular Electron Transfer Enables Cellular Control of Cu(I)-Catalyzed Alkyne-Azide Cycloaddition. *ACS Cent Sci.*, **8 (2)**, 246-257. [PubMed]
2. Hu, Y., Glazier, R., *et al.* (2021). DNA-based microparticle tension sensors (μTS) for measuring cell mechanics in non-planar geometries and for high-throughput quantification. *Angew Chem Int Ed Engl.*, Online ahead of print. [PubMed]

DOCUMENTS

- Safety Data Sheet
- Download CoA
- Datasheet

GALLERY IMAGES



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