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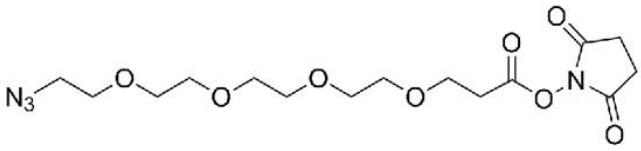
AZIDO-PEG4-NHS ESTER

SKU: CCT-AZ103



DESCRIPTION

Azido-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 an azido group via a stable amide bond. The azide (N3) group reacts with terminal alkynes via CuAAC, strained cyclooctynes (e.g. DBCO or BCN compounds) via Cu-free click reaction or with phosphine-labeled molecules by a mechanism known as Staudinger chemistry, enabling efficient and specific conjugation of derivatized molecules in biological samples.

SPECIFICATIONS

CAS Number	944251-24-5
Molecular Weight	388.37
Appearance	Colorless to slightly yellow oil
Chemical Formula	C15H24N4O8
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

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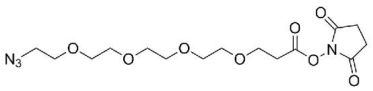
SELECTED REFERENCES

1. 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]
2. Bazrafshan, A. *et al.* (2021). DNA Gold Nanoparticle Motors Demonstrate Processive Motion with Bursts of Speed Up to 50 nm Per Second. *ACS Publications*, Online ahead of print. [PubMed]
3. Bazrafshan, A., *et al.* (2020). Tunable DNA Origami Motors Translocate Ballistically Over μm Distances at nm/s Speeds. *Angew. Chem. Int. Ed.*, **59(24)**, 9514-21. [PubMed]

DOCUMENTS

- Safety Data Sheet
- Download CoA
- Datasheet

GALLERY IMAGES



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