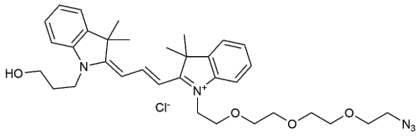
SUITE 201, 17 Ramsey Road, Shirley, NY 11967, USA
Tel: 1-631-637-6119 | Email: info@bioglyco.com

Product Information

Azide/Cy3/Hydroxy PEG reagent, *N*-Hydroxypropyl-*N′*-(azide-PEG3)-Cy3, Purity 97%



Cat. No.: X24-03-YW0585

Size: 1 mg; 5 mg; 10 mg

PubChem CID: 123132157

Synonym: *N*-Hydroxypropyl-*N′*-(azide-PEG3)-Cy3; *N*-Hydroxypropyl-*N* inverted exclamation mark -(azide-PEG3)-Cy3; BP-23021; HY-141029; CS-0115916

This product is for research use only and is not intended for diagnostic use.

Product Information

Description	*N*-Hydroxypropyl-*N′*-(azide-PEG3)-Cy3 is a PEG linker containing a cyanine dye with excitation/emission maximum of 555/570 nm and an azide group for Click Chemistry.
Molecular Weight	624.2
Molecular Formula	$C_{34}H_{46}ClN_5O_4$
Functional Group 1	Azide
Functional Group 2	Cy3
Functional Group 3	Hydroxy
Reactive Group 1	Acid
Reactive Group 2	Alkyne
Reactive Group 3	Isocyanate
IUPAC Name	3-[2-[(*E*,3*E*)-3-[1-[2-[2-[2-(2-Azidoethoxy)ethoxy]ethoxy]ethyl]-3,3-dimethylindol-2-ylidene]prop-1-enyl]-3,3-dimethylindol-1-ium-1-yl]propan-1-ol;chloride
InChI	InChI=1S/C34H46N5O4.ClH/c1-33(2)27-11-5-7-13-29(27)38(18-10-20-40)31(33)15-9-16-32-34(3,4)28-12-6-8-14-30(28)39(32)19-22-42-24-26-43-25-23-41-21-17-36-37-35;/h5-9,11-16,40H,10,17-26H2,1-4H3;1H/q+1;/p-1
InChI Key	VMSDCJLNTJKYEV-UHFFFAOYSA-M
Canonical SMILES	CC1(C2=CC=CC=C2[N+](=C1C=CC=C3C(C4=CC=CC=C4N3CCOCCOCCOCCN=[N+]=[N-])(C)C)CCCO)C.[Cl-]
Form	Solid
Purity	97%

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Solubility	Water, DMSO, DMF, DCM
Identity	Confirmed by NMR.
Applications	*N*-Hydroxypropyl-*N'*-(azide-PEG3)-Cy3 is used to label biomolecules *via* Click Chemistry, enhancing solubility in aqueous media.
Storage	Store at -20°C.