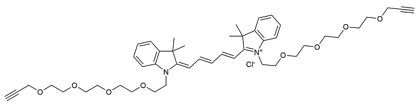
SUITE 201, 17 Ramsey Road, Shirley, NY 11967, USA
Tel: 1-631-637-6119 | Email: info@bioglyco.com

Product Information

Cy5/Propargyl PEG reagent, *N,N′*-Bis-(propargyl-PEG4)-Cy5, Purity 97%



Cat. No.: X24-03-YW0574

Size: 1 mg; 5 mg; 10 mg

CAS Number: 2107273-08-3

PubChem CID: 154704335

Synonym: 2107273-08-3; *N,N′*-bis-(propargyl-PEG4)-Cy5 ; 2-(5-(3,3-dimethyl-1-(3,6,9,12-tetraoxapentadec-14-yn-1-yl)indolin-2-ylidene)penta-1,3-dien-1-yl)-3,3-dimethyl-1-(3,6,9,12-tetraoxapentadec-14-yn-1-yl)-3*H*-indol-1-ium chlorid

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

Product Information

Description	*N,N′*-Bis-(propargyl-PEG4)-Cy5 is a cyanine linker with an excitation/emission maximum of 649/667 nm, containing alkyne groups for Click Chemistry labeling.
Molecular Weight	819.5
Molecular Formula	$C_{47}H_{63}ClN_2O_8$
Functional Group 1	Cy5
Functional Group 2	Propargyl
Functional Group 3	None
Reactive Group 1	Azide
IUPAC Name	(2*Z*)-2-[(2*E*,4*E*)-5-[3,3-dimethyl-1-[2-[2-[2-(2-prop-2-ynoxyethoxy)ethoxy]ethoxy]ethyl]indol-1-ium-2-yl]penta-2,4-dienylidene]-3,3-dimethyl-1-[2-[2-[2-(2-prop-2-ynoxyethoxy)ethoxy]ethoxy]ethyl]indole;chloride
InChI	InChI=1S/C47H63N2O8.ClH/c1-7-24-50-28-32-54-36-38-56-34-30-52-26-22-48-42-18-14-12-16-40(42)46(3,4)44(48)20-10-9-11-21-45-47(5,6)41-17-13-15-19-43(41)49(45)23-27-53-31-35-57-39-37-55-33-29-51-25-8-2;/h1-2,9-21H,22-39H2,3-6H3;1H/q+1;/p-1
InChI Key	FJFLIVHAHJSGKV-UHFFFAOYSA-M
Canonical SMILES	CC1(C2=CC=CC=C2[N+](=C1C=CC=CC=C3C(C4=CC=CC=C4N3CCOCCOCCOCCOCC#C)(C)C)CCOCCOCCOCCOCC#C)C.[Cl-]
Isomeric SMILES	CC1(C2=CC=CC=C2[N+](=C1/C=C/C=C/C=C\3/C(C4=CC=CC=C4N3CCOCCOCCOCCOCC#C)(C)C)CCOCCOCCOCCOCC#C)C.[Cl-]
Form	Solid

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Purity	97%
Solubility	DMSO, DMF, DCM, low solubility in water
Identity	Confirmed by NMR.
Applications	*N,N'*-Bis-(propargyl-PEG4)-Cy5 is used to attach deeply colored and photostable cyanine fluorophores to various molecules *via* Click Chemistry.
Storage	Store at -20°C.