

## Product Information

### Alkyne/Cy3/Propargyl PEG reagent, *N*-Methyl-*N'*-methyl-*O*-(*m*-PEG4)-*O'*-(propargyl-PEG4)-Cy3, Purity 95%

**Cat. No.:** X24-03-YW0566

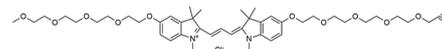
**Size:** 1 mg; 2 mg

**CAS Number:** 2107273-62-9

**PubChem CID:** 154704836

**Synonym:** 2107273-62-9; *N*-methyl-*N'*-methyl-*O*-(*m*-PEG4)-*O'*-(propargyl-PEG4)-Cy3

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



#### Product Information

<b>Description</b>	<i>N</i> -Methyl- <i>N'</i> -methyl- <i>O</i> -( <i>m</i> -PEG4)- <i>O'</i> -(propargyl-PEG4)-Cy3 is a PEG linker containing cyanine dye with excitation/emission maxima of 555/570 nm and an alkyne group.
<b>Molecular Weight</b>	829.5
<b>Molecular Formula</b>	C <sub>45</sub> H <sub>65</sub> ClN <sub>2</sub> O <sub>10</sub>
<b>Functional Group 1</b>	Alkyne
<b>Functional Group 2</b>	Cy3
<b>Functional Group 3</b>	Propargyl
<b>Reactive Group 1</b>	Azide
<b>IUPAC Name</b>	(2Z)-2-[(E)-3-[5-[2-[2-[2-(2-Methoxyethoxy)ethoxy]ethoxy]ethoxy]-1,3,3-trimethylindol-1-ium-2-yl]prop-2-enylidene]-1,3,3-trimethyl-5-[2-[2-[2-(2-prop-2-ynoxyethoxy)ethoxy]ethoxy]ethoxy]indole;chloride
<b>InChI</b>	InChI=1S/C45H65N2O10.ClH/c1-9-17-49-20-21-51-24-25-53-27-29-55-31-33-57-37-14-16-41-39(35-37)45(4,5)43(47(41)7)12-10-11-42-44(2,3)38-34-36(13-15-40(38)46(42)6)56-32-30-54-28-26-52-23-22-50-19-18-48-8;/h1,10-16,34-35H,17-33H2,2-8H3;1H/q+1;/p-1
<b>InChI Key</b>	QGHYDHFVFAUHMTA-UHFFFAOYSA-M
<b>Canonical SMILES</b>	CC1(C2=C(C=CC(=C2)OCCOCCOCCOCCOC)[N+](=C1C=CC=C3C(C4=C(N3C)C=CC(=C4)OCCOCCOCCOCC#C)(C)C)C)C.[Cl-]
<b>Isomeric SMILES</b>	CC1(C2=C(C=CC(=C2)OCCOCCOCCOCCOC)[N+](=C1/C=C/C=C3/C(C4=C(N3C)C=CC(=C4)OCCOCCOCCOCC#C)(C)C)C)C.[Cl-]
<b>Form</b>	Solid
<b>Purity</b>	95%
<b>Solubility</b>	Water, DMSO, DMF, DCM

<b>Identity</b>	Confirmed by NMR.
<b>Applications</b>	<i>N</i> -Methyl- <i>N'</i> -methyl- <i>O</i> -( <i>m</i> -PEG4)- <i>O'</i> -(propargyl-PEG4)-Cy3 facilitates copper-catalyzed Click Chemistry, enhancing solubility in aqueous media for various bioconjugation applications.
<b>Storage</b>	Store at -20°C.

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