

## Product Information

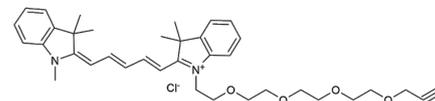
### Cy5/Propargyl PEG reagent, *N*-Methyl-*N'*-(propargyl-PEG4)-Cy5, Purity 97%

**Cat. No.:** X24-03-YW0561

**Size:** 1 mg; 5 mg; 10 mg

**PubChem CID:** 155489815

**Synonym:** *N*-Methyl-*N'*-(propargyl-PEG4)-Cy5; *N*-Methyl-*N'*-(propargyl-PEG4)-Cy5 (chloride)



**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> -(propargyl-PEG4)-Cy5 is a cyanine linker with excitation/emission maxima of 649/667 nm containing an alkyne group.
<b>Molecular Weight</b>	620.3
<b>Molecular Formula</b>	C <sub>37</sub> H <sub>48</sub> ClN <sub>2</sub> O <sub>4</sub>
<b>Functional Group 1</b>	Cy5
<b>Functional Group 2</b>	Propargyl
<b>Functional Group 3</b>	None
<b>Reactive Group 1</b>	Azide
<b>IUPAC Name</b>	3,3-dimethyl-1-[2-[2-[2-(2-prop-2-ynoxyethoxy)ethoxy]ethyl]-2-[5-(1,3,3-trimethylindol-1-ium-2-yl)penta-2,4-dienylidene]indole;chloride
<b>InChI</b>	InChI=1S/C37H47N2O4.ClH/c1-7-22-40-24-26-42-28-29-43-27-25-41-23-21-39-33-18-14-12-16-31(33)37(4,5)35(39)20-10-8-9-19-34-36(2,3)30-15-11-13-17-32(30)38(34)6;/h1,8-20H,21-29H2,2-6H3;1H/q+1;/p-1
<b>InChI Key</b>	UMLSHKASMKAELZ-UHFFFAOYSA-M
<b>Canonical SMILES</b>	CC1(C2=CC=CC=C2[N+](=C1C=CC=CC=C3C(C4=CC=CC=C4N3CCOCCOCCOCCOCC#C)(C)C)C)C.[Cl-]
<b>Form</b>	Solid
<b>Purity</b>	97%
<b>Solubility</b>	DMSO, DMF, DCM, low solubility in water
<b>Identity</b>	Confirmed by NMR.
<b>Applications</b>	<i>N</i> -Methyl- <i>N'</i> -(propargyl-PEG4)-Cy5 is used for Click Chemistry to attach Cyanine fluorophores to various molecules, enhancing visualization and tracking in research.

**Storage**

Store at -20°C.

---