

## Product Information

### Amine/Cy5 PEG reagent, Bis-(*N,N'*-amine-PEG3)-Cy5, Purity 98%

**Cat. No.:** X24-03-YW0584

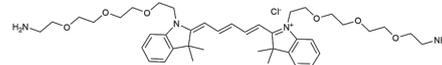
**Size:** 1 mg; 2 mg; 5 mg

**CAS Number:** 2107273-36-7

**PubChem CID:** 166641732

**Synonym:** 2107273-36-7; Bis-(*N,N'*-amine-PEG3)-Cy5; Bis-(*N,N*-amine-PEG3)-Cy5

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



#### Product Information

<b>Description</b>	Bis-( <i>N,N'</i> -amine-PEG3)-Cy5 is a PEG linker with a cyanine dye with excitation/emission maximum of 649/667 nm and a free amine group.
<b>Molecular Weight</b>	741.4
<b>Molecular Formula</b>	C <sub>41</sub> H <sub>61</sub> ClN <sub>4</sub> O <sub>6</sub>
<b>Functional Group 1</b>	Amine
<b>Functional Group 2</b>	Cy5
<b>Functional Group 3</b>	None
<b>Reactive Group 1</b>	Acid
<b>IUPAC Name</b>	2-[2-[2-[2-[(2 <i>Z</i> )-2-[(2 <i>E</i> ,4 <i>E</i> )-5-[1-[2-[2-[2-(2-Aminoethoxy)ethoxy]ethoxy]ethyl]-3,3-dimethylindol-1-ium-2-yl]penta-2,4-dienylidene]-3,3-dimethylindol-1-yl]ethoxy]ethoxy]ethoxy]ethanamine;chloride
<b>InChI</b>	InChI=1S/C41H61N4O6.ClH/c1-40(2)34-12-8-10-14-36(34)44(20-24-48-28-32-50-30-26-46-22-18-42)38(40)16-6-5-7-17-39-41(3,4)35-13-9-11-15-37(35)45(39)21-25-49-29-33-51-31-27-47-23-19-43;/h5-17H,18-33,42-43H2,1-4H3;1H/q+1;/p-1
<b>InChI Key</b>	FPFHERRFUCUQLP-UHFFFAOYSA-M
<b>Canonical SMILES</b>	CC1(C2=CC=CC=C2[N+](=C1C=CC=CC=C3C(C4=CC=CC=C4N3CCOCCOCCOCCN)(C)C)CCOCCOCCOCCN)C.[Cl-]
<b>Isomeric SMILES</b>	CC1(C2=CC=CC=C2[N+](=C1/C=C/C=C/C=C\C3/C(C4=CC=CC=C4N3CCOCCOCCOCCN)(C)C)CCOCCOCCOCCN)C.[Cl-]
<b>Form</b>	Solid
<b>Purity</b>	98%
<b>Solubility</b>	Water, DMSO, DMF, DCM

<b>Identity</b>	Confirmed by NMR.
<b>Applications</b>	Bis-( <i>N,N'</i> -amine-PEG3)-Cy5 is used for labeling biomolecules, where the amine group can react with various functional groups.
<b>Storage</b>	Store at -20°C.

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