

## Product Information

### Azide PEG reagent, *N*-(Ac-PEG3)-*N'*-(azide-PEG3)-Cy7, Purity 97%

**Cat. No.:** X24-03-YW0582

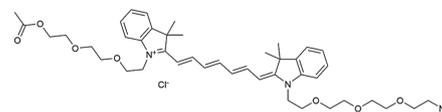
**Size:** 1 mg; 5 mg; 10 mg

**CAS Number:** 2107273-00-5

**PubChem CID:** 119058345

**Synonym:** 2107273-00-5; *N*-(Ac-PEG3)-*N'*-(azide-PEG3)-Cy7 (chloride); *N*-(Ac-PEG3)-*N'*-(azide-PEG3)-Cy7; AKOS040743624; BP-23015

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



#### Product Information

<b>Description</b>	<i>N</i> -(Ac-PEG3)- <i>N'</i> -(azide-PEG3)-Cy7 is a Cy7 labeled near-infrared fluorescent PEG linker with an azide group for Click Chemistry.
<b>Molecular Weight</b>	792.4
<b>Molecular Formula</b>	C <sub>43</sub> H <sub>58</sub> ClN <sub>5</sub> O <sub>7</sub>
<b>Functional Group 1</b>	Azide
<b>Functional Group 2</b>	None
<b>Functional Group 3</b>	None
<b>Reactive Group 1</b>	Alkyne
<b>IUPAC Name</b>	2-[2-[2-[(2 <i>E</i> )-2-[(2 <i>E</i> ,4 <i>E</i> ,6 <i>E</i> )-7-[1-[2-[2-[2-(2-Azidoethoxy)ethoxy]ethoxy]ethyl]-3,3-dimethylindol-1-ium-2-yl]hepta-2,4,6-trienylidene]-3,3-dimethylindol-1-yl]ethoxy]ethoxy]ethyl acetate;chloride
<b>InChI</b>	InChI=1S/C43H58N5O7.ClH/c1-35(49)55-34-33-54-32-29-52-26-23-48-39-18-14-12-16-37(39)43(4,5)41(48)20-10-8-6-7-9-19-40-42(2,3)36-15-11-13-17-38(36)47(40)22-25-51-28-31-53-30-27-50-24-21-45-46-44;/h6-20H,21-34H2,1-5H3;1H/q+1;/p-1
<b>InChI Key</b>	HVDWUPHUQBHZMT-UHFFFAOYSA-M
<b>Canonical SMILES</b>	CC(=O)OCCOCCOCCN1C2=CC=CC=C2C(C1=CC=CC=CC=C3=[N+](C4=CC=CC=C4C3(C)C)C)COCCOCCOCCN=[N+]=[N-])(C)C.[Cl-]
<b>Isomeric SMILES</b>	CC(=O)OCCOCCOCCN\1C2=CC=CC=C2C(/C1=C\C=C\C=C\C=C\C=C3=[N+](C4=CC=CC=C4C3(C)C)C)COCCOCCOCCN=[N+]=[N-])(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> -(Ac-PEG3)- <i>N'</i> -(azide-PEG3)-Cy7 is used to produce Cy7-labeled biomolecules for potential <i>in vivo</i> research and drug design experiments.
<b>Storage</b>	Store at -20°C.

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