

Product Information

Azide PEG reagent, TAMRA-PEG3-azide, Purity 90%

Cat. No.: X24-09-YYX342

Size: 1 mg; 5 mg; 25 mg; 100 mg

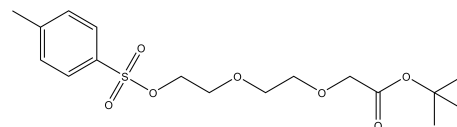
CAS Number: 1228100-59-1

PubChem CID: 91757895

Synonym: 1228100-59-1; TAMRA-PEG3-azide; TAMRA-PEG3-N3;

5-carboxytetramethylrhodamine-PEG3-azide

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



Product Information

Description	TAMRA-PEG3-azide acts as a linker containing TAMRA red-fluorescent dye, which has excitation/emission maxima of 553/575 nm along with an azide group that facilitates click chemistry reactions.
Molecular Weight	630.7
Molecular Formula	C ₃₃ H ₃₈ N ₆ O ₇
Functional Group 1	Azide
Functional Group 2	None
Functional Group 3	None
Reactive Group 1	Alkynyl
IUPAC Name	5-[2-[2-[2-(2-Azidoethoxy)ethoxy]ethoxy]ethylcarbamoyl]-2-[3-(dimethylamino)-6-dimethylazaniumyli denexanthen-9-yl]benzoate
InChI	InChI=1S/C33H38N6O7/c1-38(2)23-6-9-26-29(20-23)46-30-21-24(39(3)4)7-10-27(30)31(26)25-8-5-22(19-28(25)33(41)42)32(40)35-11-13-43-15-17-45-18-16-44-14-12-36-37-34/h5-10,19-21H,11-18H 2,1-4H3,(H-,35,40,41,42)
InChI Key	YREJCORUQQJQHB-UHFFFAOYSA-N
Canonical SMILES	CN(C)C1=CC2=C(C=C1)C(=C3C=CC(=[N+](C)C)C=C3O2)C4=C(C=C(C=C4)C(=O)NCCOCCOCC OCCN=[N+]=[N-])C(=O)[O-]
Form	Solid
Purity	90%
Solubility	DMSO, DMF
Identity	Confirmed by NMR.

Applications	This compound is commonly used in fluorescence imaging and labeling studies. The TAMRA fluorophore enables visualization and tracking of biomolecules or cellular processes, while the PEG3 moiety improves solubility and biocompatibility.
Storage	Store at -20°C.