

Product Information

Amine/Azide PEG reagent, Tri(Azide-PEG10-NHCO-ethyloxyethyl)amine, Purity 95%

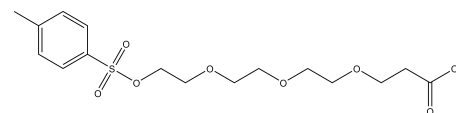
Cat. No.: X24-09-YYX373

Size: 50 mg; 100 mg; 250 mg; 500 mg

CAS Number: 2375600-60-3

Synonym: 2375600-60-3; *N*

-[2-[2-[2-[2-[2-[2-[2-[2-[2-(2-azidoethoxy)ethoxy]ethoxy]ethoxy]ethoxy]ethoxy]ethoxy]ethoxy]ethoxy]ethoxy]ethyl]-3-[2-[bis[2-[3-[2-[2-[2-[2-[2-[2-[2-[2-(2-azidoethoxy)ethoxy]ethoxy]ethoxy]ethoxy]ethoxy]ethoxy]ethoxy]ethylamino]-3-oxopropoxy]ethyl]amino]ethoxy]propanamide



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

Product Information

Description	Tri(azide-PEG10-NHCO-ethyloxyethyl)amine acts as a branched PEG linker that includes three terminal azide functionalities. These azides facilitate PEGylation <i>via</i> click chemistry.
Molecular Weight	1891.2
Molecular Formula	C ₈₁ H ₁₅₉ N ₁₃ O ₃₆
Functional Group 1	Amine
Functional Group 2	Azide
Functional Group 3	Ethyloxy
Reactive Group 1	Acid
Reactive Group 2	Alkyne
IUPAC Name	<i>N</i> -[2-[2-[2-[2-[2-[2-[2-[2-[2-(2-Azidoethoxy)ethoxy]ethoxy]ethoxy]ethoxy]ethoxy]ethoxy]ethoxy]ethoxy]ethoxy]ethyl]-3-[2-[bis[2-[3-[2-[2-[2-[2-[2-[2-[2-[2-(2-Azidoethoxy)ethoxy]ethoxy]ethoxy]ethoxy]ethoxy]ethoxy]ethylamino]-3-oxopropoxy]ethyl]amino]ethoxy]propanamide
InChI	InChI=1S/C81H159N13O36/c82-91-88-7-19-104-28-34-110-40-46-116-52-58-122-64-70-128-76-73-125-67-61-119-55-49-113-43-37-107-31-25-101-16-4-85-79(95)1-13-98-22-10-94(11-23-99-14-2-80(96)86-5-17-102-26-32-108-38-44-114-50-56-120-62-68-126-74-77-129-71-65-123-59-53-117-47-41-111-35-29-105-20-8-89-92-83)12-24-100-15-3-81(97)87-6-18-103-27-33-109-39-45-115-51-57-121-63-69-127-75-78-130-72-66-124-60-54-118-48-42-112-36-30-106-21-9-90-93-84/h1-78H2,(H,85,95)(H,86,96)(H,87,97)

InChI Key	WMUCZSRJSDMEGU-UHFFFAOYSA-N
Isomeric SMILES	<chem>C(COCCN(CCOCCC(=O)NCCOCCOCCOCCOCCOCCOCCOCCOCCOCCOCCOCCOCCN=[N+]=[N-])CCOCC(=O)NCCOCCOCCOCCOCCOCCOCCOCCOCCOCCOCCOCCOCCN=[N+]=[N-])C(=O)NCCOCCOCCOCCOCCOCCOCCOCCOCCOCCOCCOCCN=[N+]=[N-]</chem>
Form	Solid
Purity	95%
Identity	Confirmed by NMR.
Applications	It can be used as a cross-linking agent or building block in the synthesis of polymeric networks or dendrimers. The multiple azide groups offer possibilities for controlled and specific conjugation reactions.
Storage	Store at -20°C.