

DBCO/Maleimide PEG reagent, DBCO-PEG24-Maleimide, Purity 95%

PubChem CID: 155906774

G76933

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

Product Information

Description	DBCO-PEG24-Maleimide is a versatile PEG linker featuring a DBCO moiety and a terminal primary maleimide group. The maleimide group serves as a reactive handle for the specific conjugation of thiol-containing biomolecules, allowing for the formation of stable covalent bonds. With a long PEG spacer arm consisting of 24 ethylene glycol units, this linker provides flexibility and hydrophilicity, facilitating efficient biomolecule labeling and conjugation in aqueous environments.
Molecular Weight	1,555.8
Molecular Formula	C ₇₆ H ₁₂₂ N ₄ O ₂₉
Functional Group 1	DBCO
Functional Group 2	Maleimide
Functional Group 3	None
Reactive Group 1	Thiol
IUPAC Name	<i>N</i> -[2-[2-[2 -[2-[2-[2-[2-[2-[2 -[2-[2-[2-[2-[2-[2-[2-[2-[2-[2 -[2-[2-[2-[3-[[3-(2-Azatricyclo[10.4.0.0 ^{4,9}]hexadeca-1(16),4,6,8,12,14-hexaen-10-yn-2-yl)-3-oxopropyl]amino]-3-oxopropoxy]ethoxy]ethoxy]et hoxy]ethoxy]ethoxy]ethoxy]ethoxy]ethoxy]ethoxy]ethoxy]ethoxy]ethoxy]ethoxy]ethoxy]ethoxy] ethoxy]ethoxy]ethoxy]ethoxy]ethoxy]ethoxy]ethoxy]ethyl]-3-(2,5-dioxopyrrol-1-yl)propanamide
InChI	InChI=1S/C76H122N4O29/c81-72(14-18-79-74(83)11-12-75(79)84)78-17-20-87-22-24-89-26-28-91- 30-32-93-34-36-95-38-40-97-42-44-99-46-48-101-50-52-103-54-56-105-58-60-107-62-64-109-66-65 -108-63-61-106-59-57-104-55-53-102-51-49-100-47-45-98-43-41-96-39-37-94-35-33-92-31-29-90-2 7-25-88-23-21-86-19-15-73(82)77-16-13-76(85)80-67-70-7-2-1-5-68(70)9-10-69-6-3-4-8-71(69)80/h 1-8,11-12H,13-67H2,(H,77,82)(H,78,81)

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