SUITE 201, 17 Ramsey Road, Shirley, NY 11967, USA
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# Product Information

## Azide PEG reagent, m-PEG11-azide, Purity 98%

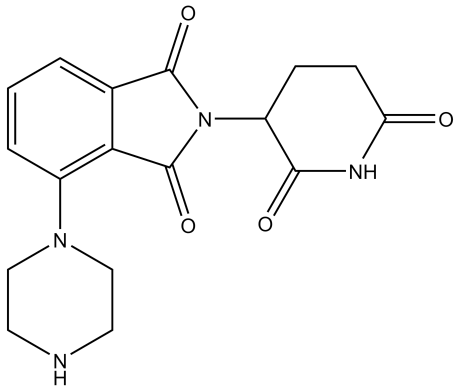
**Cat. No.:** X24-09-YYX438

**Size:** 100 mg; 500 mg; 1 g

**Synonym:**

1-azido-2-[2-[2-[2-[2-[2-[2-[2-[2-[2-(2-methoxyethoxy)ethoxy]ethoxy]ethoxy]ethoxy]ethoxy]ethoxy]ethoxy]ethoxy]ethane

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



## Product Information

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|---|---|
| **Description** | m-PEG11-azide is a water-soluble PEG linker that includes an azide group. This azide can react with alkyne compounds such as BCN and DBCO through click chemistry methods to form stable triazole linkages. The hydrophilic PEG spacer also improves solubility in aqueous environments. |
| **Molecular Weight** | 541.6 |
| **Molecular Formula** | $C_{23}H_{47}N_3O_{11}$ |
| **Functional Group 1** | Azide |
| **Functional Group 2** | None |
| **Functional Group 3** | None |
| **Reactive Group 1** | Alkynyl |
| **IUPAC Name** | 1-Azido-2-[2-[2-[2-[2-[2-[2-[2-[2-[2-(2-methoxyethoxy)ethoxy]ethoxy]ethoxy]ethoxy]ethoxy]ethoxy]ethoxy]ethoxy]ethane |
| **InChI** | InChI=1S/C23H47N3O11/c1-27-4-5-29-8-9-31-12-13-33-16-17-35-20-21-37-23-22-36-19-18-34-15-14-32-11-10-30-7-6-28-3-2-25-26-24/h2-23H2,1H3 |
| **InChI Key** | OQTVAPCRFCFCFU-UHFFFAOYSA-N |
| **Isomeric SMILES** | COCCOCCOCCOCCOCCOCCOCCOCCOCCOCCOCCN=[N+]=[N-] |
| **Form** | Solid |
| **Purity** | 98% |
| **Identity** | Confirmed by NMR. |
| **Applications** | This compound has significant potential in various fields. In drug delivery, it can be used to encapsulate drugs within nanoparticles or liposomes, enhancing their stability and circulation time in the body. |
| **Storage** | Store at -20°C. |

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