

Product Information

Azide/Pyrene PEG reagent, Pyrene-PEG3-azide, Purity 98%

Cat. No.: X24-03-YW0553

Size: 1 mg; 5 mg; 10 mg; 25 mg

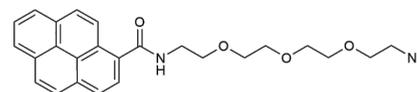
CAS Number: 1817735-36-6

PubChem CID: 102514812

Synonym: 1817735-36-6; Pyrene-PEG3-azide; Pyrene-amido-PEG4-azide; Pyrene

-PEG3-azide; DTXSID701133904

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



Product Information

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|---------------------------|--|
| Description | Pyrene-PEG3-azide is a pyrene labeled PEG linker containing an azide group. |
| Molecular Weight | 446.5 |
| Molecular Formula | C ₂₅ H ₂₆ N ₄ O ₄ |
| Functional Group 1 | Azide |
| Functional Group 2 | Pyrene |
| Functional Group 3 | None |
| Reactive Group 1 | Alkyne |
| IUPAC Name | <i>N</i> -[2-[2-[2-(2-Azidoethoxy)ethoxy]ethoxy]ethyl]-4,6-dihydropyrene-1-carboxamide |
| InChI | InChI=1S/C25H28N4O4/c26-29-28-11-13-32-15-17-33-16-14-31-12-10-27-25(30)22-9-7-20-5-4-18-2-1-3-19-6-8-21(22)24(20)23(18)19/h1,3-4,6-9H,2,5,10-17H2,(H,27,30) |
| InChI Key | XVKZTMTWYFYOEO-UHFFFAOYSA-N |
| Canonical SMILES | C1C=CC2=C3C1=CCC4=C3C(=C(C=C4)C(=O)NCCOCCOCCOCCN=[N+]=[N-])C=C2 |
| Form | Waxy solid |
| Purity | 98% |
| Solubility | DMSO, DMF, DCM |
| Identity | Confirmed by NMR. |
| Applications | Pyrene-PEG3-azide is used for Click Chemistry labeling with alkyne-bearing molecules, converting molecules into pyrene-bearing probes. |
| Storage | Store at -20°C. |