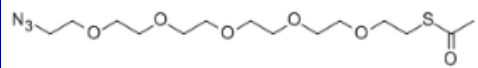



FT-1I6661

Thiol – PEG_x – Azide reagents

Heterobifunctional crosslinkers

HeteroBifunctional SH – PEG – Azide reagents

| Product name synonymes | Cat.number Qty 1-100mg, 2-1g | MW (g·mol ⁻¹) | Structure |
|---|------------------------------------|------------------------------|---|
| Thiol-PEG_x- Azide | Inquire | 200 | <p>The Thiol-PEG_x-Azide is not well stable with low spacer / molecular weight. The below protected structure (Azido-PEG5-S-CHO) is stable (it is the previous step of SH-PEG6-N3) :</p>  <p>See also Thiol-PEO_n-Azide (monodisperse) (FT-B4CSH1)</p>  |
| SH-PEO-N ₃ , Azide-PEG-Thiol | AYPQ42 | 400 | |
| AZTH | AYPQ32 | 500 | |
| | AYPQ22 | 600 | |
| | AYPQ12 | 800 | |
| | AYPQ02 | 1 000 | |
| | AWJLH2 | 2 000 | |
| | 1I6662 | 3 400 | |
| | AYPQ52 | 5 000 | |
| | AYPQ62 | 10 000 | |
| | AYPQ72 | 20 000 | |
| | AYPQ82 | 30 000 | |
| | AYPQ92 | 40 000 | |

Description:

Heterobifunctional PEG derivative that can be used with sulfhydryl or Azide reactive chemical groups (i.e. Alkyne). PEGylation can modify peptides and proteins and other materials, to create conjugates or to increase solubility and stability and reduce immunogenicity. It can also suppress the non-specific binding of charged molecules to the modified surfaces.

The **Azide** group can be used for a variety of reactions, including click reactions with alkynes and Tetrazines.

It reacts with alkyne in aqueous solution catalyzed by copper or with constrained alkynes (i.e. DBCO reagents) without copper. It can also be easily reduced into an amino group. [\[XLfct\]](#)

The **Thiol** group can react with maleimide, divinylsulfone, pyridilthiol and also by exchange with an other thiol group. [\[XLfct\]](#)

Physical Properties:

Off-white/white solid or viscous liquid depends on molecule weight;

Soluble in regular aqueous solution as well as most organic solvents: water, ethanol, chloroform, DMSO, etc

Storage Conditions:

Store at -20°C, desiccated. Protect from light. Stable for +12months at -20°C.

Handling and Use:

For best use, material should always be kept in low temperature in dry conditions and under inert gaz for best stability. Prepare fresh solution right before use. Avoid frequent thaw and freezing.

Related / associated products and documents

See or [ask](#) for other PEG and PEO reagents, i.e. 4Arm-PEG-Thiol and 4Arm-PEG-Azide

See [BioSciences Innovations catalogue](#) and [e-search tool](#).

For any information, please ask : Uptima / Interchim; Hotline : +33(0)4 70 03 73 06

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