

FT-DZ5520

Biotin– PEG_x – Thiol reagent

Heterobifunctional crosslinker

HeteroBifunctional Biotin- PEG – Thiol reagents

| Product name synonymes | Cat.number Qty 0-100mg. | MW (g·mol ⁻¹) | Structure |
|--|----------------------------|------------------------------|---|
| Biotin-PEG_x-Thiol SH PEG Biotin, HS-PEG-BN ^(J) PG2-BNTH | B2YHU0 | 400 | $\text{HS}-(\text{CH}_2\text{CH}_2\text{O})_n-\text{CH}_2\text{CH}_2-\text{NH}_2$ |

Description:

PEG derivative of Biotin can be used with Sulfhydryl reactive chemical groups for biotinylation purposes.

- **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.
- **Biotin** is a small polar molecule that binds with extreme affinity to (strep)avidine protein. It is used to that point for labeling/detection purposes to create immunoreagents for assays (ABC systems).
- **Thiol** group (SH, Sulfhydryl) is functional group that can be used by conventional chemistry. It notably reacts with maleimide, halogeno acetal (I, Br,...), Pyridyl thiols, Thiosulfinates (ThioSulfonates & VinylSulfone)

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 ^(J). Keep 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 gas for best stability. Prepare fresh solution right before use. Avoid frequent thaw and freezing.

FT-DZ5520

Related products

See or [ask](#) for other spacer length versions of Biotin-PEGx-Thiol (MW 200 to 400Da - [FT-DZ5522](#))

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

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

Disclaimer : Materials from Uptima are sold **for research use only**, and are not intended for food, drug, household, or cosmetic use. Uptima is not liable for any damage resulting from handling or contact with this product.

Rev.V03E11