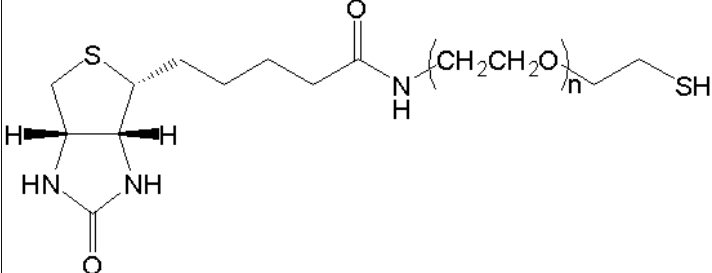


FT-DZ5522

# Biotin– PEG<sub>x</sub> – Thiol reagents

## Heterobifunctional crosslinkers

### HeteroBifunctional Biotin- PEG – Thiol reagents

Product name synonymes	Cat.number Qty 0-100mg, 2-1g 3-5g	MW (g·mol <sup>-1</sup> )	Structure
<b>Biotin-PEG<sub>x</sub>-Thiol</b>	Inquire	200	
SH PEG Biotin, HS-PEG-BN <sup>(1)</sup>	<b>B2YHU2</b>	400	
PG2-BNTH	<b>AWJM12</b>	600	
HE003041	Inquire	800	
[rem]	Inquire	1 000	
	<b>RPW902</b>	2 000	
	<b>DZ5522</b>	3 400	
	<b>A2ZBR2</b>	5 000	
	<b>EV4972</b>	10 000	
AWJMF – Pack of 2KDa, 3KDa, 5KDa, 10KDa (25mg each)	Inquire	20 000	
	Inquire	30 000	
	Inquire	40 000	

#### 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, Thiosulfonates (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<sup>(1)</sup>. 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.

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## Related products

See or [ask](#) for other PEG and PEO reagents  
4Arm-PEG-Thiol and 4Arm-PEG-Amine

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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