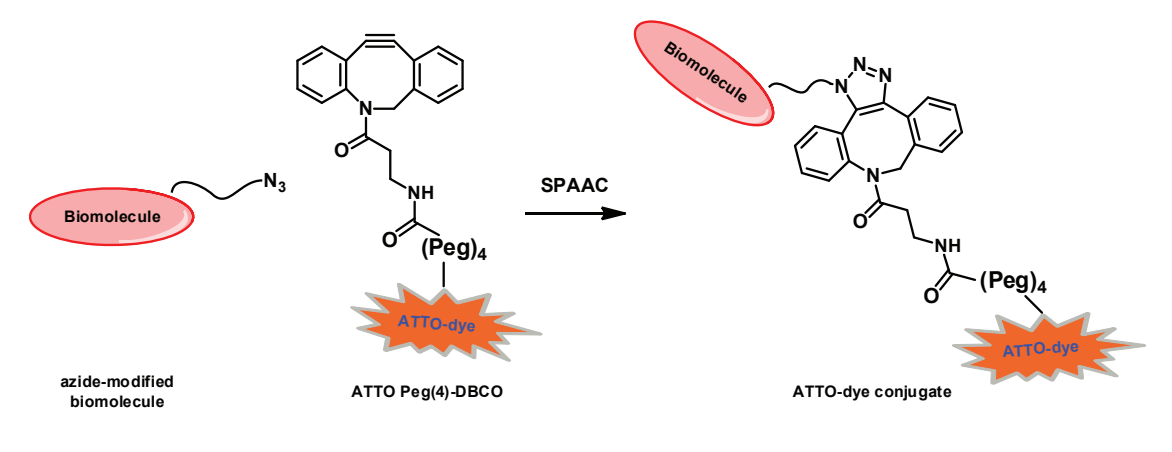
ATTO-TEC

NEW

ATTO DBCO Derivatives

ATTO-TEC is expanding its portfolio on click-chemistry reagents by introducing dye DBCO derivatives

The new DBCO modification of various ATTO-dyes now provides easy access to a highly reactive click-reagent. Unlike propargylamine-based derivatives, ATTO DBCOs can be used in direct, bioorthogonal labeling of azide-modified target molecules, e.g. non-canonical amino acids in proteins, oligonucleotides, sugars and other small molecules. The DBCO will react in a fast, strain-promoted and therefore catalyst-free azide-alkyne cycloaddition (SPAAC), resulting in a chemically stable click-adduct (triazol). All ATTO DBCO derivatives come with a Peg(4) linker.



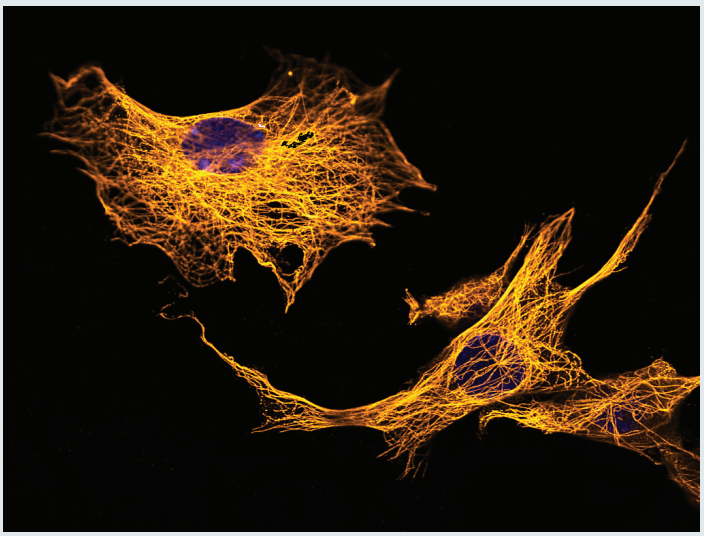
Advantages of ATTO DBCOs:

- **high purity**
- **Cu-free click-chemistry**
- **selective site-specific binding**
- **bioorthogonal labeling**

ATTO DBCOs are available for:

ATTO 495, ATTO 532, ATTO 542, ATTO 550, ATTO 565, ATTO 643, ATTO 647N, ATTO 680, and ATTO 700.

The modification is supplied in 1 mg and 5 mg units.



Mouse fibroblast microtubules. Immunostaining with antibodies conjugated with azide and clicked to ATTO 532 Peg(4)-DBCO (blue: DAPI).

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