HIGHLY CHEMOSELECTIVE, RAPID AND BIOCOMPATIBLE LABELING

Click Chemistry Reagents

Click Chemistry describes pairs of functional groups that rapidly and selectively react ("click") with each other in mild, aqueous conditions. The concept of Click Chemistry has been developed into convenient, versatile and reliable twostep coupling procedures of two molecules **A** and **B**, that are widely used in life sciences, diagnostic and clinical applications.

Principle of Click Chemistry

1. **Introduction of molecule A and B**

   Complementary CLICK-functionalized molecules are combined.

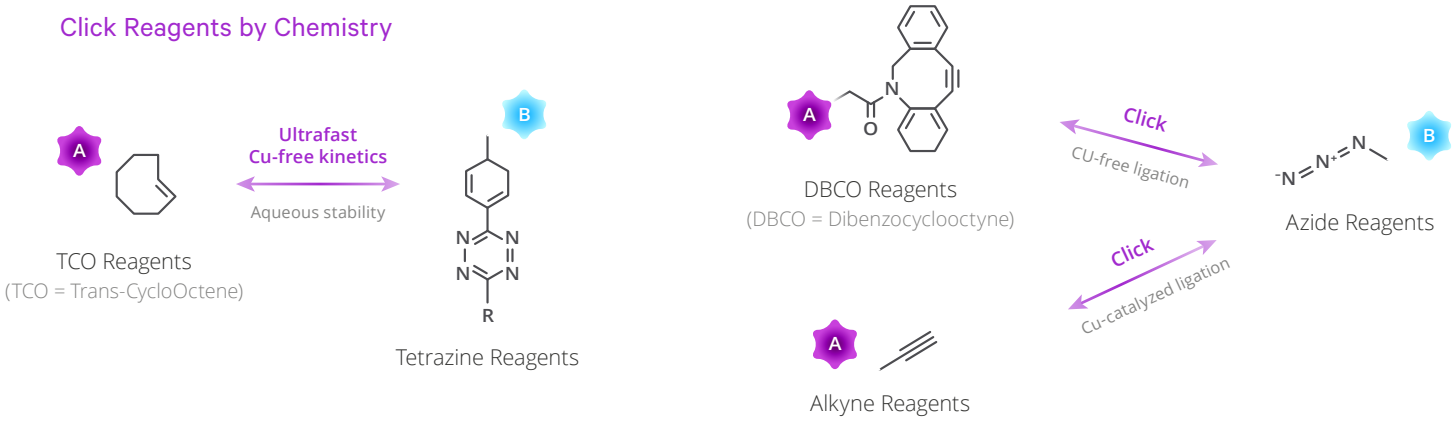
2. **CLICK-coupling of molecule A and B**

   Through highly defined chemoselective coupling, the CLICK-labeled molecules form a stable conjugate.

Advantages of Click Chemistry

- **High chemoselectivity** enables biocompatible and bioorthogonal ligation.
- **Fast labeling kinetics.**
- **Choice of chemistry:** Cu-free or Cu-catalyzed, depending on application.
- **Wide selection of heterobifunctional linkers** for use with nucleic acids, proteins, peptides, enzymes and fluorophores.

Click Reagents by Chemistry



Browse our website, vectorlabs.com, to learn more about our extensive click chemistry product portfolio that includes:

Click Chemistry Linkers

- TCO-Tetrazine Ligation
- DBCO Reagents
- Terminal Alkynes
- Azides
- Biotinylation Reagents

Functionalized Dyes

- AzDyes
- Cyanine Dyes
- MB Dyes
- CalFluor Dyes
- Classic Fluorescent Dyes

Enrichment Media

- Streptavidin-free Enrichment Kits
- Streptavidin-based Enrichment Kits
- Functionalized Magnetic Beads
- Functionalized Agarose

Conjugation Kits & Auxiliary Reagents

- Click & Go Imaging Kits
- Click & Go Protein Synthesis Assay Kits
- Click & Go Click Chemistry Reaction Buffer Kits
- Metabolic Labeling Reagents
- Substrates for Sortagging

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