## Diazot Biotin-Alkyne

**Cat. No.** | **Amount**  
---|---  
CLK-1042-5 | 5 mg  
CLK-1042-25 | 25 mg

![Structural formula of Diazot Biotin-Alkyne](image)

**Description:**
Diazot Biotin-Alkyne is suitable for the introduction of a biotin moiety to Azide-labeled biomolecules via Cu(I)-catalyzed Alkyne-Azide Click Chemistry (CUAAC) reaction.

The biotinylated molecule can be selectively captured through conventional affinity biotin-streptavidin purification and released under mild buffer conditions with a sodium dithionite (Na$_2$S$_2$O$_4$) solution for subsequent identification by mass spectrometry, ELISA, dot blot or Western blot applications.

**Important Product Information**
If possible, avoid reducing agents in reaction buffers, this can interfere with the azide stability.

**General Procedure for Release**
Incubate beads in phosphate buffer solution (pH 7.4) containing 50 mM Na$_2$S$_2$O$_4$ (2 x 60 minutes) at room temperature. References [1]-[3] might be used as starting point for the set up of your individual assay.

**Related Products:**
- Copper (II)-Sulphate (CuSO$_4$), #CLK-MI004
- Tris(3-hydroxypropyltriazolylmethyl)amine (THPTA), #CLK-1010
- Sodium Ascorbate (Na-Ascorbate), #CLK-MI005

**Selected References:**