



## Biotin Alkyne

| Catalog Number | Packaging Size |
|----------------|----------------|
| C303           | 5 mg           |

Storage upon receipt: -20°C

### Introduction

Click chemistry describes a class of chemical reactions that use bio-orthogonal or biologically unique moieties to label and detect a molecule of interest in mild, aqueous conditions. The click reaction involves a copper-catalyzed triazole formation from an azide and an alkyne. The azide and alkyne moieties can be used interchangeably; either one can be used to tag the molecule of interest, while the other is used for subsequent detection.

The biotin alkyne is reactive with azide via a copper-catalyzed click reaction. Biotin can be subsequently detected with streptavidin, avidin or NeutrAvidin® biotin-binding protein.

### Specifications

|                            |                            |  |
|----------------------------|----------------------------|--|
| <b>Label:</b>              | Biotin                     |  |
| <b>Ex/Em:</b>              | –                          |  |
| <b>Detection Method:</b>   | –                          |  |
| <b>Solubility:</b>         | DMSO, DMF                  |  |
| <b>Molecular Weight:</b>   | 413.53                     |  |
| <b>Product Size:</b>       | 5 mg                       |  |
| <b>Storage Conditions:</b> | -20 °C, protect from light |  |
| <b>Shipping Condition:</b> | Room Temperature           |  |

### Applications

Click chemistry labeling