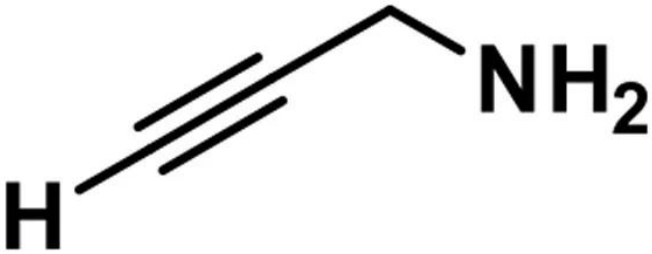
www.vectorlabs.com
Email: customerservice@vectorlabs.com
Telephone: (650) 697-3600

# PROPARGYL AMINE

**SKU:** QBD-10510




## DESCRIPTION

Propargyl amine, product number QBD-10510, is an amine-functionalized, three-carbon, terminal aliphatic alkyne. A non-dPEG® product, propargyl amine (formally, prop-2-yn-1-amine) is an alkynyl partner for Quanta BioDesign's azide-functionalized dPEG®-based click chemistry reagents. Click chemistry using propargyl amine and azides requires catalysis. Copper(I) catalysis leads to the 1,3-dipolar cycloaddition product. Ruthenium catalysis forms the 1,5-dipolar cycloaddition product. The terminal amine can be reacted with any of Quanta BioDesign's dPEG® NHS or TFP esters or carboxylic acid products to form any desired product.

## SPECIFICATIONS

| | |
|---|---|
| **CAS Number** | 2450-71-7 |
| **Molecular Weight** | 55.08; single compound |
| **Chemical Formula** | $C_3H_5N$ |
| **Purity** | > 98% |
| **Unit Size** | 1000 mg |
| **Solubility** | Methylene chloride, Acetonitrile, DMAC or DMSO. |
| **Spacers** | Spacer is 4 atoms and 3.5 Å |

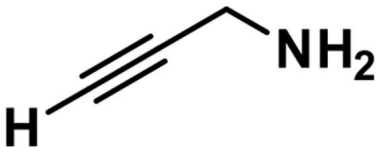
**For research use only. Not intended for therapeutic or diagnostic use in animals or humans.**

| | |
|---|---|
| **Storage Instructions** | -20°C; Always let come to room temperature before opening; be careful to limit exposure to moisture and restore under an inert atmosphere; stock solutions can be prepared with dry solvent and kept for several days (freeze when not in use). dPEG® pegylation compounds are generally hygroscopic and should be treated as such. This will be less noticeable with liquids, but the solids will become tacky and difficult to manipulate, if care is not taken to minimize air exposure. |
| **Shipping Instructions** | Ambient |

## DOCUMENTS

- Safety Data Sheet
- Datasheet

## GALLERY IMAGES




**For research use only. Not intended for therapeutic or diagnostic use in animals or humans.**