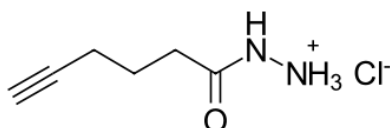


## Alkyne hydrazide

<http://www.lumiprobe.com/p/alkyne-hydrazide>

Alkyne hydrazide bifunctional linker reagent is an adapter molecule which is useful to attach terminal alkyne group to a carbonyl group of aldehydes and ketones. Carbonyl groups are encountered in proteins subjected to oxidative stress. Many small natural molecules are also carbonyl compounds. Most saccharides, as well as RNAs contain 1,2-diol fragments which can be oxidized with periodate to aldehydes, which in turn react with hydrazides.



**Alkyne hydrazide structure**

### General properties

Appearance:	colorless solid
Mass spec M+ increment:	108.1
Molecular weight:	162.62
Molecular formula:	C <sub>6</sub> H <sub>11</sub> ClN <sub>2</sub> O
Solubility:	good in water, DMF, DMSO, alcohols
Quality control:	NMR <sup>1</sup> H, HPLC-MS (95%)
Storage conditions:	Storage: 24 months after receipt at -20°C in the dark. Transportation: at room temperature for up to 3 weeks. Avoid prolonged exposure to light. Desiccate.
Legal statement:	This Product is offered and sold for research purposes only. It has not been tested for safety and efficacy in food, drug, medical device, cosmetic, commercial or any other use. Supply does not express or imply authorization to use for any other purpose, including, without limitation, in vitro diagnostic purposes, in the manufacture of food or pharmaceutical products, in medical devices or in cosmetic products.