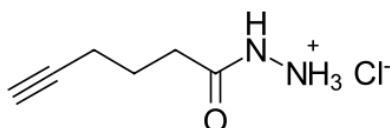


Alkyne hydrazide

<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: C₆H₁₁ClN₂O

Solubility: good in water, DMF, DMSO, alcohols

Quality control: NMR ¹H, 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.

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