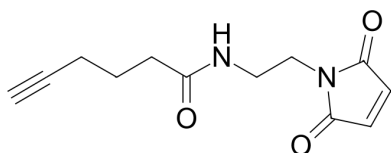

Alkyne maleimide

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

Alkyne maleimide is a bifunctional linker reagent which allows to attach terminal alkyne to various thiol-containing molecules, such as proteins containing cysteine residues. The alkyne moiety can be then conjugated with various azides via copper-catalyzed click chemistry reaction.



Structure of alkyne maleimide

General properties

Appearance: colorless solid

Mass spec M+ increment: 234.1

Molecular weight: 234.25

Molecular formula: $C_{12}H_{14}N_2O_3$

Solubility: good in DMSO, DMF, alcohols, limited in water

Quality control: NMR 1H , HPLC-MS (95%)

Storage conditions: Storage: 24 months after receipt at $-20^{\circ}C$ in the dark. Transportation: at room temperature for up to 3 weeks. Avoid prolonged exposure to light. Desiccate.