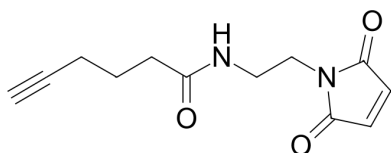


Alkyne maleimide

<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 ₂ O ₃ |
| Solubility: | good in DMSO, DMF, alcohols, limited in water |
| Quality control: | NMR ¹ 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. |
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