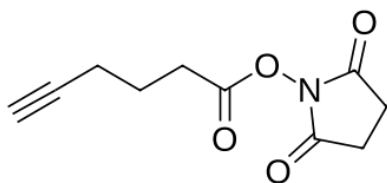


Hexynoic acid NHS ester

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

Hexynoic acid NHS ester is an alkyne-containing NHS ester for the modification of biomolecules. Alkyne groups for copper-catalyzed click chemistry reaction are nearly never encountered in natural molecules. However, this NHS ester allows to attach alkyne groups to amino groups, which are ubiquitous in nature, and which are present in proteins, peptides, synthetic amino-DNA and numerous small molecules. Alkyne groups can be subsequently modified and conjugated by copper-catalyzed click reaction.

This reagent is a derivative of hexynoic acid.



Alkyne NHS ester (hexynoic acid NHS ester)

General properties

Appearance:	yellowish oil / off white crystals
Mass spec M+ increment:	94.0
Molecular weight:	209.20
CAS number:	906564-59-8
Molecular formula:	C ₁₀ H ₁₁ NO ₄
IUPAC name:	5-Hexynoic acid, 2,5-dioxo-1-pyrrolidinyl ester
Solubility:	good in organic solvents (DMF, DMSO, DCM)
Quality control:	NMR ¹ H 95+%
Storage conditions:	Storage: 12 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.