

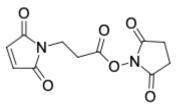
3-Maleimidopropionic acid NHS-ester

http://www.lumiprobe.com/p/3-maleimidopropionic-acid-nhs-ester

3-Maleimidopropionic acid N-hydroxysuccinimide (NHS) ester is a membrane-permeable, non-cleavable bifunctional crosslinker. It contains an amine-reactive succinimidyl ester and a thiol-reactive maleimide group.

The NHS residue can be attached to almost any primary or secondary amine group of proteins, peptides, or small molecule amines. The maleimide moiety provides easy attachment to proteins and peptides via SH-residues of cysteine and to other thiolated molecules, such as thiol-containing oligonucleotides.

This reagent is also used for *in situ* synthesis of chemically unstable <u>azide-PEG4-maleimide</u>.



Structure of 3-Maleimidopropionic acid NHS-ester

General properties

Appearance:	white crystals
Molecular weight:	266.21
CAS number:	55750-62-4
Molecular formula:	$C_{11}H_{10}N_2O_6$
IUPAC name:	N-(3-Maleimidopropionyloxy)succinimide
Quality control:	NMR ¹ H and HPLC-MS (95+%)
Storage conditions:	12 months after receival at -20°C in the dark. Transportation: at room temperature for up to 3 weeks. Desiccate.
Legal statement:	Product is offered and sold for research purposes only. Product is not tested for safety and efficacy in food, drug, medical device, cosmetic, no express or implied authorization to use for any other purpose, including, without limitation, in vitro diagnostic purposes, for humans or animals or for commercial purposes.