# Product Data Sheet

Product Name: Mal-amido-PEG10-C2-NHS ester
Cat. No.: GC38563

## Chemical Properties

| | | | |
|---|---|---|---|
| Cas. No. | 1137109-22-8 | | |
| SMILES | O=C(ON1C(CCC1=O)=O)CCOCCOCCOCCOCCOCCOCCOCCOCCOCCOCCOCCNC(CCN2C(C=CC2=O)=O)=O | | |
| Formula | $C_{34}H_{55}N_3O_{17}$ | M.Wt | 777.81 |
| Solubility | Soluble in DMSO | Storage | Store at -20°C |
| General tips | For obtaining a higher solubility , please warm the tube at 37 ℃ and shake it in the ultrasonic bath for a while.Stock solution can be stored below -20℃ for several months. | | |
| Shipping Condition | Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request. | | |
| Structure | Mal-amido-PEG10-C2-NHS ester | | |

## Background

Mal-amido-PEG10-C2-NHS ester is a nonclaevable ADC linker containing a maleimide group and an NHS ester. The NHS ester can be used to label the primary amines (-NH2) of proteins, amine-modified oligonucleotides, and other amine-containing molecules[1][2].

[1]. Hansen AM, et al. Microwave-assisted solid-phase synthesis of antisense acpP peptide nucleic acid-peptide conjugates active against colistin- and tigecycline-resistant E. coli and K. pneumoniae. Eur J Med Chem. 2019 Apr 15;168:134-145. [2]. Zhang ge, et al. Preparation and application of FAPalpha activated polypeptide magnetic nanosphere compound used for diagnosis of tumors. CN105524141A

***Caution: Product has not been fully validated for medical applications. For research use only.***
***Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com***
***Address: 10292 Central Ave. #205, Montclair, CA, USA***