

Product Data Sheet

Product Name: DBCO-PEG5-NHS ester

Cat. No.: GC66196

Chemical Properties

Cas. No. 2144395-59-3

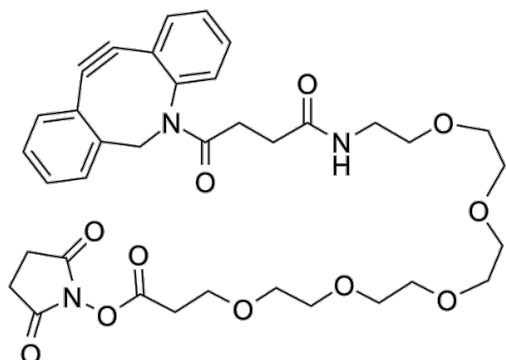
Formula $C_{36}H_{43}N_3O_{11}$ M.Wt 693.74

Solubility DMSO : ≥ 100 mg/mL (144.15 mM) Storage Store at -20°C , protect from light

General tips For obtaining a higher solubility, please warm the tube at 37°C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C 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



Background

DBCO-PEG5-NHS ester is a PEG/Alkyl/ether-based **PROTAC linker** can be used in the synthesis of PROTACs. DBCO-PEG5-NHS ester is a cleavable **ADC linker** used in the synthesis of antibody-drug conjugates (ADCs)^{[1][2]}.

PROTACs contain two different ligands connected by a linker; one is a ligand for an E3 ubiquitin ligase and the other is for the target protein. PROTACs exploit the intracellular ubiquitin-proteasome system to selectively degrade target proteins.

ADCs are comprised of an antibody to which is attached an ADC cytotoxin through an ADC linker.

Caution: Product has not been fully validated for medical applications. For research use only.

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