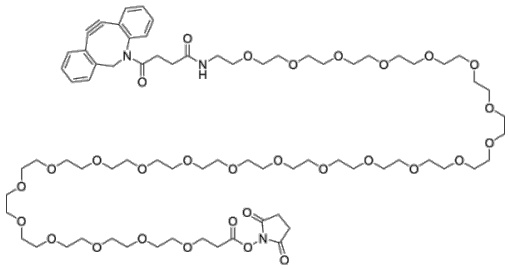
Product Data Sheet

Product Name: DBCO-PEG24-NHS ester
Cat. No.: GC71176

Chemical Properties

Cas. No.	2765066-38-2		
Formula	$C_{74}H_{119}N_3O_{30}$	M.Wt	1530.74
Solubility		Storage	4°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-PEG24-NHS ester is a click chemistry reagent. DBCO-PEG24-NHS ester is a click chemistry PEG reagent containing NHS ester that is able to react specifically and efficiently with primary amines (e.g. the side chain of lysine residues or aminosilane-coated surfaces) at neutral or slightly basic condition to form a covalent bond. The hydrophilic PEG spacer arm improves water solubility and provides a long and flexible connection that minimizes steric hindrance involved with ligation. DBCO is commonly used for copper-free Click Chemistry reactions. Reagent grade, for research use only.

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

[1]. Jiang X, et al. Recent applications of click chemistry in drug discovery. Expert Opin Drug Discov. 2019 Aug;14(8):779-789.

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