

Product Data Sheet

Product Name: DBCO-PEG3-GGFG-Exatecan

Cat. No.: GC78795

Chemical Properties

Cas. No. 2754384-71-7

Formula $C_{67}H_{70}FN_9O_{14}$ M.Wt 1244.32

Solubility DMSO: 50 mg/mL (40.18 mM; Need ultrasonic) Storage Store at -20°C, protect from light, stored under nitrogen

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-PEG3-GGFG-Exatecan is a Drug-linker conjugate for ADC. DBCO-PEG3-GGFG-Exatecan contains the ADC linker (DBCO-PEG3-GGFG) and a DNA topoisomerase I inhibitor Exatecan [1].

In Vitro, DCBPR2002-4 (DBCO-PEG3-GGFG-Exatecan construct) (72 h) can inhibit the viability of OVCAR-3 ovarian cancer cells expressing mesothelin in vitro, with its IC_{50} being 130.2 nM [1].

References:

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

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[1]. CHUANG, Shih-Hsien, et al. Antibody-drug conjugates containing an anti-mesothelin antibody and uses thereof. WO2021248048 A2. 2021-12-09.

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