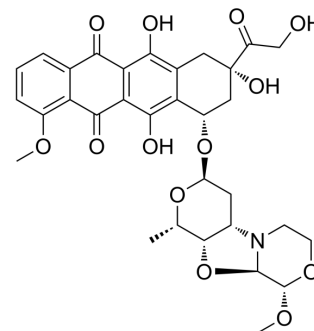


PNU-159682 (GMP)

Cat. No.:	HY-16700G
CAS No.:	202350-68-3
Molecular Formula:	C ₃₂ H ₃₅ NO ₁₃
Molecular Weight:	641.62
Target:	ADC Cytotoxin; Topoisomerase
Pathway:	Antibody-drug Conjugate/ADC Related; Cell Cycle/DNA Damage
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

PNU-159682 GMP is a GMP grade PNU-159682 (HY-16700). PNU-159682, a metabolite of the anthracycline Nemorubicin, is a highly potent DNA topoisomerase II inhibitor with excellent cytotoxicity. PNU-159682 acts as a more potent and tolerated ADC cytotoxin than Doxorubicin for ADC synthesis. PNU-159682 can be used in EDV-nanocell technology to overcome agent resistance.

REFERENCES

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- [2]. Cazzamalli S, et al. Acetazolamide Serves as Selective Delivery Vehicle for Dipeptide-Linked Drugs to Renal Cell Carcinoma. Mol Cancer Ther. 2016 Dec;15(12):2926-2935.
- [3]. Pengxuan Zhao, et al. Recent advances of antibody drug conjugates for clinical applications. Acta Pharm Sin B. 2020 Sep;10(9):1589-1600.
- [4]. Joanne Lundy, Interim data: Phase I/IIa study of EGFR-targeted EDV nanocells carrying cytotoxic drug PNU-159682 (E-EDV-D682) with immunomodulatory adjuvant EDVs carrying α -galactosyl ceramide (EDV-GC) in patients with recurrent, metastatic pancreatic cancer. GASTROINTESTINAL CANCER—GASTROESOPHAGEAL, PANCREATIC, AND HEPATOBILIARY

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

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