

## Product Datasheet

# Duocarmycin TM

Catalog No. **BP-01247** · CAS **157922-77-5** · Form **free base** · Physical state **solid** · Color **Light yellow to yellow** · Version **1.0** · Revision **2026-09-11**

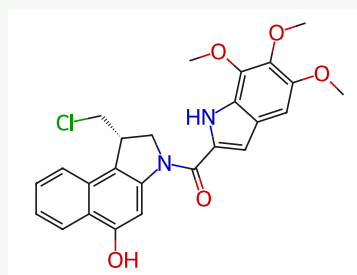
**FOR RESEARCH USE ONLY. NOT FOR HUMAN OR VETERINARY USE.**

|                                                                      |                                |
|----------------------------------------------------------------------|--------------------------------|
| Target<br><b>ADC Payloads; DNA Alkylator/Crosslinker; Antibiotic</b> | Research area<br><b>Cancer</b> |
|----------------------------------------------------------------------|--------------------------------|

Molecular formula **C<sub>25</sub>H<sub>23</sub>ClN<sub>2</sub>O<sub>5</sub>**

Molecular weight **466.9140**

### STRUCTURE



## DESCRIPTION

Duocarmycin TM (CBI-TMI) is a potent antitumor antibiotic. Duocarmycin TM induces a sequence-selective alkylation of duplex DNA.

## BIOLOGICAL ACTIVITY

### In Vitro

Duocarmycin TM (60 µM; 4 d; BJAB and WSU-DLCL2 cells) is a cytotoxic agent that inhibits the proliferation of tumor cells

## SOLUBILITY

soluble in DMSO

**In vitro** DMSO : ≥ 50 mg/mL

## REFERENCES

[1]. Zhang D, et, al. Immobilization of p-Aminobenzyl Ether Linker and Payload Potency and Stability Determine the Cell-Killing Activity of Antibody-Drug Conjugates with Phenol-Containing Payloads. Bioconjug Chem. 2018 Feb 21;29(2):267-274.