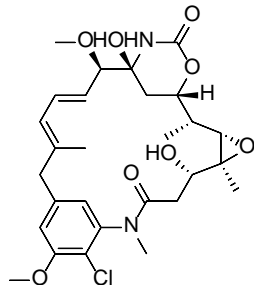


# Product data sheet



MedKoo Cat#: 407810 Name: Maytansinol CAS: 57103-68-1 Chemical Formula: C <sub>28</sub> H <sub>37</sub> ClN <sub>2</sub> O <sub>8</sub> Exact Mass: 564.2238 Molecular Weight: 565.06		
Product supplied as:	Powder	
Purity (by HPLC):	≥ 98%	
Shipping conditions	Ambient temperature	
Storage conditions:	Powder: -20°C 3 years; 4°C 2 years. In solvent: -80°C 3 months; -20°C 2 weeks.	

## 1. Product description:

Maytansinol, also known as Ansamitocin P-0, is a potent microtubule depolymerizing agent. Maytansinol inhibits microtubule assembly and induces microtubule disassembly in vitro. Maytansinol disrupts the mitotic spindle and prevents mitotic exit in *Drosophila*. Maytansinol is used in the preparation of site-specific trastuzumab maytansinoid antibody-drug conjugates with improved therapeutic activity.

## 2. CoA, QC data, SDS, and handling instruction

SDS and handling instruction, CoA with copies of QC data (NMR, HPLC and MS analytical spectra) can be downloaded from the product web page under “QC And Documents” section. Note: copies of analytical spectra may not be available if the product is being supplied by MedKoo partners. Whether the product was made by MedKoo or provided by its partners, the quality is 100% guaranteed.

## 3. Solubility data

Solvent	Max Conc. mg/mL	Max Conc. mM
DMF	25.0	44.24
DMSO	27.5	48.67
Ethanol	10.0	17.70

## 4. Stock solution preparation table:

Concentration / Solvent Volume / Mass	1 mg	5 mg	10 mg
1 mM	1.77 mL	8.85 mL	17.70 mL
5 mM	0.35 mL	1.77 mL	3.54 mL
10 mM	0.18 mL	0.88 mL	1.77 mL
50 mM	0.04 mL	0.18 mL	0.35 mL

## 5. Molarity Calculator, Reconstitution Calculator, Dilution Calculator

Please refer the product web page under section of “Calculator”

## 6. Recommended literature which reported protocols for in vitro and in vivo study

In vitro study

TBD

In vivo study

TBD

## 7. Bioactivity

Biological target:

Maytansinol inhibits microtubule assembly and induces microtubule disassembly in vitro.

In vitro activity

TBD

In vivo activity

# Product data sheet



TBD

*Note: The information listed here was extracted from literature. MedKoo has not independently retested and confirmed the accuracy of these methods. Customer should use it just for a reference only.*