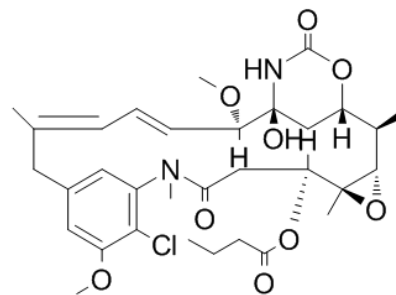


Product Name : Ansamitocin P-3
Cat. No. : PC-45742
CAS No. : 66547-09-9
Molecular Formula : C₃₂H₄₃ClN₂O₉
Molecular Weight : 635.1448
Target : ADC Cytotoxin
Solubility : 10 mM in DMSO



Biological Activity

A microtubule depolymerizing agent that can be isolated from culture broths of certain Gram-positive bacteria; binds tubulin (K_d=1.3 μM), depolymerizes microtubules in both interphase and mitosis, and perturbs chromosome segregation; inhibits the growth of cancer cells in culture and significantly suppresses the growth of several cancer tumors in mice.

References

- Ootsu K, et al. Cancer Res. 1980 May;40(5):1707-17.
Venghateri JB, et al. PLoS One. 2013 Oct 4;8(10):e75182.
Martin K, et al. Cancer Immunol Immunother. 2014 Sep;63(9):925-38.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

E-mail: tech@probechem.com