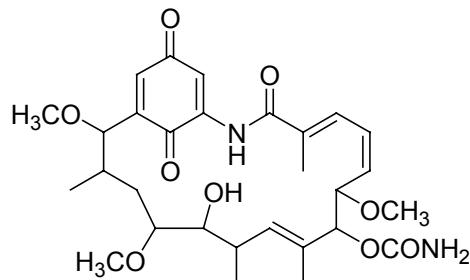


Herbimycin C

Code: **BIA-H1144**

Pack sizes: **0.5 mg, 2.5 mg**



Synonyms : **Antibiotic TAN 420D**

Specifications

CAS #	: 91700-92-4
Molecular Formula	: C₂₉H₄₀N₂O₉
Molecular Weight	: 560.6
Source	: Streptomyces sp. MST-AS5386
Appearance	: Yellow solid
Purity	: > 98% by HPLC
Long Term Storage	: -20°C
Solubility	: Soluble in ethanol, methanol, DMF or DMSO. Limited water solubility

Application Notes

Herbimycin C is a minor analogue of herbimycin complex isolated from *Streptomyces hygroscopicus*. Herbimycin C possesses potent antitumor activity and has been shown to convert Rous sarcoma virus-infected rat kidney cells into normal cells. Until now limited access has restricted a full investigation of the properties of herbimycin C. Research on related metabolites, herbimycin A and geldanamycin has stimulated intensive interest in this class as selective antitumor agents and for the prolonging the viability of tissue-cultured cells and organs.

References

1. The structure and cytoidal activity of herbimycin C. Shibata K. et al. *J. Antibiot.* **1986**, 39, 1630.
2. Natural product origins of Hsp90 inhibitors. Uehara Y. *Curr. Cancer Drug Targets* **2003**, 3, 325.
3. Inducement of thermotolerance with benzoquinonoid ansamycins. Welch W. J. **2000** US Patent 6015659.