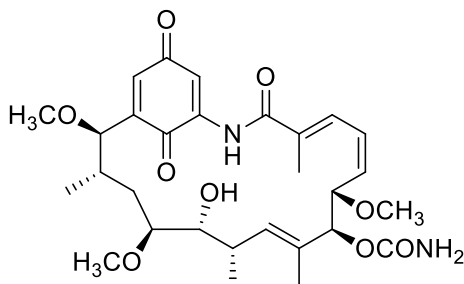


## Herbimycin C

Code No.: **BIA-H1144**

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



Synonyms : TAN 420D

### Specifications

CAS #	: 91700-92-4
Molecular Formula	: C <sub>29</sub> H <sub>40</sub> N <sub>2</sub> O <sub>9</sub>
Molecular Weight	: 560.6
Source	: <i>Streptomyces</i> sp.
Appearance	: Yellow solid
Purity	: >95% 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 the herbimycin complex isolated from *Streptomyces hygrosopicus*. Herbimycin C possesses potent antitumor activity and converts 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 prolonging the viability of tissue-cultured cells and organs.

### References

1. The structure and cytotoxic 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.