

Product Name: Herbimycin C

Product Number: H030

CAS Number: 91700-92-4

Molecular Formula: $C_{29}H_{40}N_2O_9$

Molecular Weight: 560.6

Appearance: Yellow solid

Storage Conditions: -20°C

Description: Herbimycin C is a minor analogue of the herbimycin complex isolated from *Streptomyces hygroscopicus*. 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.

Herbimycin C is soluble in ethanol, methanol, DMF or DMSO. Limited water solubility.

References: The structure and cytocidal activity of herbimycin C. Shibata K. et al. J. Antibiot. 1986, 39, 1630.

Natural product origins of Hsp90 inhibitors. Uehara Y. Curr. Cancer Drug Targets 2003, 3, 325.

Inducement of thermotolerance with benzoquinonoid ansamycins. Welch W.J. 2000 US Patent 6015659.