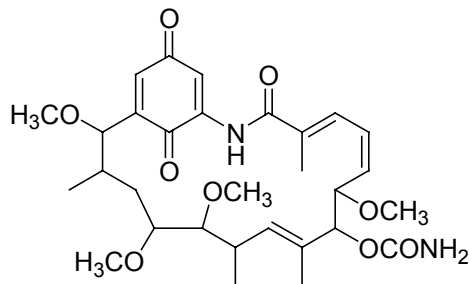


Herbimycin A

Code: **BIA-H1036**

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



Synonyms : **Herbimycin, Antibiotic TAN 420F**

Specifications

CAS # : **70563-58-5**
Molecular Formula : **C₃₀H₄₂N₂O₉**
Molecular Weight : **574.7**
Source : ***Streptomyces* sp. MST-AS5386**
Appearance : **Yellow Lyophilisate**
Purity : **>99% by HPLC**
Long Term Storage : **-20°C**
Solubility : **Soluble in ethanol, methanol, DMF or DMSO.**

Application Notes

Herbimycin A is the major analogue of a complex of benzoquinone ansamycin antibiotics isolated from a *Streptomyces hygrosopicus*. Herbimycin A inhibits the 90-kDa heat-shock protein (Hsp90) which provides essential chaperone support to various signal transduction molecules, including including certain steroid hormone receptors and select kinases. Herbimycin has also been shown to inhibit protein tyrosine kinase and angiogenesis.

References

1. Natural product origins of Hsp90 inhibitors. Uehara Y. *Curr. Cancer Drug Targets* **2003**, 3, 325.
2. Effects of geldanamycin, a heat-shock protein 90-binding agent, on T cell function and T cell nonreceptor protein tyrosine kinases. Yorgin P.D. et al. *J. Immunol.* **2000**, 164, 291.