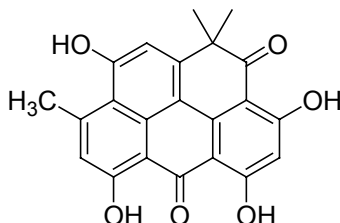


## Resistomycin

Code: **BIA-R1076**

Pack sizes: **1.0 mg, 5.0 mg**



Synonyms : **Croceomycin, Geliomycin, Heliomycin, Itamycin, Antibiotic 11-98, Antibiotic A 3733A, Antibiotic X 340**

## Specifications

CAS # : **20004-62-0**  
Molecular Formula : **C<sub>22</sub>H<sub>16</sub>O<sub>6</sub>**  
Molecular Weight : **376.4**  
Source : ***Streptomyces* sp. MST-AS5822**  
Appearance : **Yellow Brown Powder**  
Purity : **> 95% by HPLC**  
Long Term Storage : **-20°C**  
Solubility : **Sparingly soluble in methanol, ethanol, DMF or DMSO.**

## Application Notes

Resistomycin has been independently isolated by several groups and reported to have a broad range of biological activities. It is active against bacteria, including mycobacteria, and viruses. Resistomycin has been reported to induce apoptosis and inhibit RNA polymerase.

## References

1. Effects of polyphenolic anthrone derivatives, resistomycin and hypercin, on apoptosis in human megakaryoblastic leukemia CMK-7 cell line. Shiono Y. et al. *Z. Naturforsch. [C]* **2002**, 57, 923.
2. 3-Alkanoyl-5-hydroxymethyl tetronic acid homologues and resistomycin: new inhibitors of HIV-1 protease. I. Fermentation, isolation and biological activity. Roggo B.E. *J. Antibiot.* **1994**, 47, 136.
3. Molecular structure of heliomycin, an inhibitor of RNA synthesis. Arora S.K. *J. Antibiot.* **1985**, 38, 113.