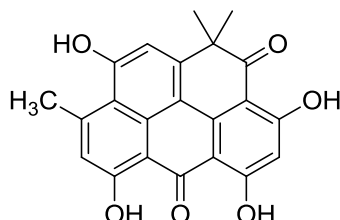


Resistomycin

Code No.: **BIA-R1076**

Pack sizes: **1 mg, 5 mg**



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

Specifications

CAS #	: 20004-62-0
Molecular Formula	: C₂₂H₁₆O₆
Molecular Weight	: 376.4
Source	: <i>Streptomyces</i> sp.
Appearance	: Yellow Brown Powder
Purity	: >95% by HPLC
Long Term Storage	: -20°C
Solubility	: Soluble in DMF or DMSO. Moderately soluble in methanol or ethanol. Poor water solubility.

Application Notes

Resistomycin is a tetrahydroxyanthrone that has been independently isolated by several groups and reported to have a broad range of biological activities. Resistomycin is active against bacteria, including mycobacteria, and viruses. Resistomycin induces apoptosis and inhibits 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