

Product Name: Resistomycin

Product Number: R026

CAS Number: 20004-62-0

Molecular Formula: $C_{22}H_{16}O_6$

Molecular Weight: 376.4

Appearance: Yellow Brown Powder

Storage Conditions: -20°C

Description: 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.

Resistomycin is soluble in DMF and DMSO and is moderately soluble in methanol or ethanol.

References: 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.

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.

Molecular structure of heliomycin, an inhibitor of RNA synthesis. Arora S.K. J. Antibiot. 1985, 38, 113