

Product Data Sheet

Product Name: Griselimycin

Cat. No.: GC91142

Chemical Properties

Cas. No. 26034-16-2

Formula $C_{57}H_{96}N_{10}O_{12}$

M.Wt 1113.4

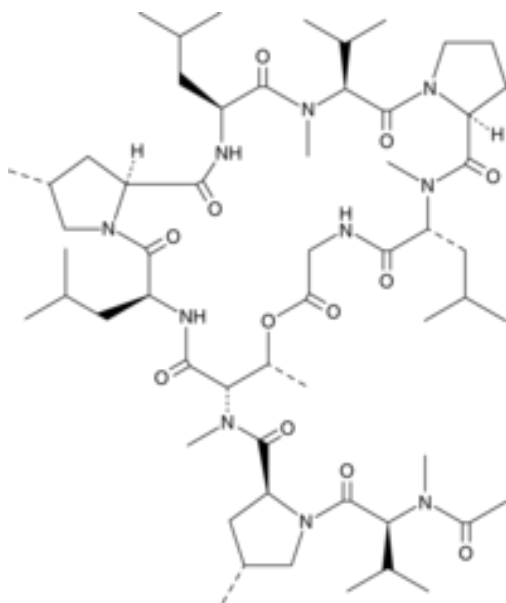
Solubility

Storage Store at -20°C

General tips For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT, or blue ice upon request.

Structure



Background

Griselimycin is a cyclic depsipeptide that has been found in *Streptomyces* and has antibacterial activity.^{1,2} It is active against *M. tuberculosis* strain H37Rv (MICs = 1-1.2 and 6.2 µg/ml in liquid culture and RAW 264.7 macrophages, respectively) but associated with resistance.² Griselimycin inhibits the protein-protein interaction between the *M. smegmatis* DNA polymerase sliding clamp, DnaN, and *M. smegmatis* DNA polymerase, leading to inhibition of DNA replication.

Caution: Product has not been fully validated for medical applications. For research use only.

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