A-83016F
Item No. 23240

CAS Registry No.: 142435-72-1
Formal Name: [2R-[2a,2S*][15S,[2R*([2E,4E,6E],3R*,5 R*],2S*,3E,5E)],3β,4β,6β ([1E,3Z]],[tetrahydro-3-hydroxy-5-[2-methoxy-1,3-dimethyl-7-[[1-oxo-2-[tetrahydro-2,4,6-trihydroxy-5,5-dimethyl-6-(1,3-pentadienyl)-2H-pyran-2-yl]butyl]-amino]-3,5-heptadienyl]-2-furanyl]-2,4,6-heptatrienoic acid

Synonym: Antibiotic A-83016F
MF: C_{37}H_{55}NO_{10}
FW: 673.8
Purity: ≥70%
Supplied as: A solid
Storage: -20°C
Stability: ≥4 years
Item Origin: Streptomyces sp

Information represents the product specifications. Batch specific analytical results are provided on each certificate of analysis.

Laboratory Procedures

A-83016F is supplied as a solid. A stock solution may be made by dissolving the A-83016F in the solvent of choice. A-83016F is soluble in organic solvents such as ethanol, DMSO, and dimethyl formamide.

Description

A-83016F is an aurodox antibiotic isolated from the actinomycete species A83016.\(^1\) It has weak activity against \(S.\ pneumoniae\) PARK, \(S.\ pyogenes\), and \(H.\ influenzae\) with MIC values of 16, 32, and 64 \(\mu g/ml\), respectively, in a broth dilution assay.

Reference