

Product Data Sheet

Product Name: Kendomycin

Cat. No.: GC18501

Chemical Properties

Cas. No. 183202-73-5

Chemical Name (13E)-6R,7S,8R,9R,10,11,12S,15,16S,17,18S,19S-dodecahydro-4,7,19-trihydroxy-2,6,8,12,14,16,18-heptamethyl-1,19:5R,9-diepoxybenzocyclooctadecen-3(5H)-one

SMILES C[C@@H](CC[C@]1([H])[C@H](C)[C@H](O)[C@@H](C)[C@](O1)([H])C2=C(O)C3=O)/C=C(C[C@@H](C)C[C@H](C)[C@@]4(O)C=C2C(O4)=C3C)\C

Formula C₂₉H₄₂O₆

M.Wt 486.6

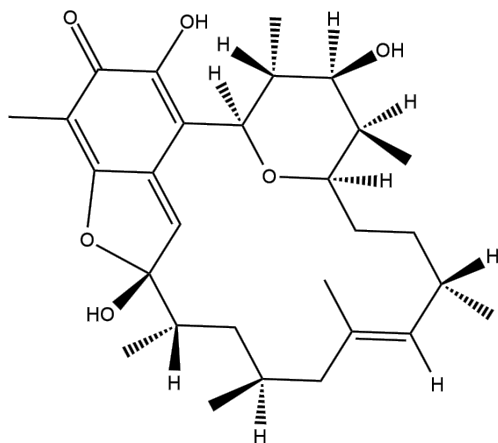
Solubility Soluble in DMSO

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

Kendomycin is a macrolide from Streptomyces which displays potent cytotoxicity against several carcinoma cell lines (GI₅₀ < 100 nM). It also acts as an endothelin receptor antagonist and has antiosteoporotic activities. Certain effects are thought to be mediated through inhibition of

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proteasomal degradation of proteins.

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