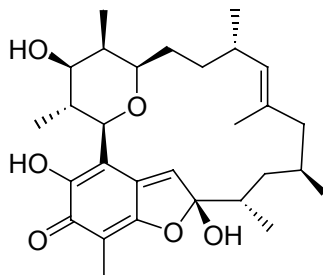


Kendomycin

Code: **BIA-K1143**

Pack sizes: **0.5 mg, 2.5 mg**



Synonyms : **Antibiotic TAN 2162**

Specifications

CAS # : **183202-73-5**
Molecular Formula : **C₂₉H₄₂O₆**
Molecular Weight : **486.6**
Source : ***Streptomyces* sp. MST-AS5978**
Appearance : **Yellow solid**
Purity : **>95% by HPLC**
Long Term Storage : **-20°C**
Solubility : **Soluble in ethanol, methanol, DMF or DMSO. Limited water solubility**

Application Notes

Kendomycin is an unusual macrocyclic metabolite containing a rare quinone methide group. Kendomycin is a potent antibacterial agent against Gram positive and negative bacteria including MRSA strains, also displaying antitumor activity. Kendomycin has been reported to be a potent endothelin receptor agonist and has been demonstrated to possess antiosteoporotic activity.

References

1. Structure and biosynthesis of kendomycin, a carboxylic ansa-compound from *Streptomyces*. Bode H.B & Zeeck A. **2000**. *J. Chem. Soc., Perkin Trans. I*, 323-328.
2. Antiosteoporotic compound. Su M.H. et al. **1998**. US Patent 5 728 727.