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DATASHEET

Kendomycin

Product overview

Name Kendomycin
Cat No HB3950
Purity >98%

Description Potent endothelin receptor antagonist

Biological Data

Biological description Antibiotic. Potent endothelin receptor antagonist. Anti-osteoporotic. Antibacterial Cytotoxic. Mediates

its cytotoxic effects, at least in part, through proteasome inhibition.

Solubility & Handling

Solubility overview Slightly soluble in methanol or DMSO

Storage instructions +4

Storage of solutions Prepare and use solutions on the same day if possible. Store solutions at -20 °C for up to one month if

storage is required. Equilibrate to RT and ensure the solution is precipitate free before use.

Shipping Conditions Stable for ambient temperature shipping. Follow storage instructions on receipt.

Important This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not

for human or veterinary use.

Chemical Data

Chemical name (1R,9R,10S,12S,14E,16S,19R,20R,21S,22R)-3,9,21-trihydroxy-6,10,12,14,16,20,22-heptamethyl-23,

24-dioxatetracyclo[17.3.1.17,9.02,8]tetracosa-2,5,7,14-tetraen-4-one

Molecular Weight Chemical structure 486.6

H₃C_{III}

CH₃

Molecular Formula $C_{29}H_{42}O_6$ CAS Number183202-73-5SMILES[H][C@]12C0

 $[H][C@]12CC[C@H](C) \setminus C=C(C) \setminus C[C@@H](C)C[C@H](C)[C@]3(O)OC4=C(C)C(=O)C(O)=C(C4=C3)$

) [C@] ([H]) (O1) [C@H] (C) [C@@H] (O) [C@H] 2C

Source Isolated from Streptomyces violaceoruber
InChiKey HKLDUJXJTQJSEJ-OLXNOMCWSA-N

Appearance Yellow powder