PRODUCT DATA SHEET

β-Apooxytetracycline

Synonyms: β-Apooxytetracycline

Specifications

- CAS # : 18751-99-0
- Molecular Formula : C_{22}H_{22}N_{2}O_{8}
- Molecular Weight : 442.4
- Source : Semi-synthetic
- Appearance : Orange-brown solid
- Purity : >95% by HPLC
- Long Term Storage : -20°C
- Solubility : Soluble in ethanol, methanol, DMF or DMSO. Limited water solubility.

Application Notes

β-Apooxytetracycline is a degradation product of oxytetracycline formed under acidic conditions. An initial dehydration to anhydrooxytetracycline then undergoes an internal cyclisation of the C5-OH to the C12 ketone. The resulting cleavage of the C12-C12a bond generates two isomers, α- and β-apooxytetracycline. β-apooxytetracycline is an important standard for monitoring oxytetracycline stability.

References