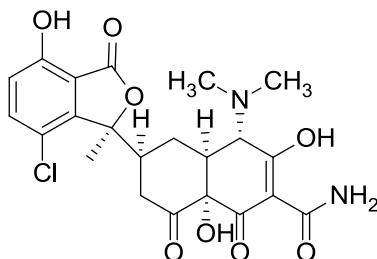


Isochlortetracycline

Code No.: **BIA-I1656**

Pack sizes: **1 mg, 5 mg**



Synonyms : Isoaureomycin; 7-Chloroisotetracycline

Specifications

CAS #	: 514-53-4
Molecular Formula	: C ₂₂ H ₂₃ ClN ₂ O ₈
Molecular Weight	: 478.9
Source	: Semi-synthetic
Appearance	: Light tan solid
Purity	: >95% by HPLC
Long Term Storage	: -20°C
Solubility	: Soluble in ethanol, methanol, DMF or DMSO.

Application Notes

Isochlortetracycline (isoaureomycin) is a base-catalysed degradation product of chlortetracycline. Isochlortetracycline is an important standard for the detection of chlortetracycline residues in animals and the environment with over 100 entries in Scifinder up to 2016 listing its applications. Little is known of the bioactivity of isochlortetracycline.

References

1. Degradation of aureomycin. VI. Isoaureomycin and aureomycin. Waller C.W. et al., J. Am. Chem. Soc. 1952, 74, 4981.
2. Iso- and *epi*-isochlortetracycline are the principal metabolites of chlortetracycline in the hen's egg. Kennedy D.G. et al., J.Chromatog. A 1998, 812, 327.