PRODUCT DATA SHEET

Methacycline hydrochloride

Code No.: BIA-M1468
Pack sizes: 5 mg, 25 mg

Synonyms: 6-Methyleneoxytetracycline hydrochloride, Metacycline hydrochloride, Londomycin

Specifications
CAS #: 3963-95-9
Molecular Formula: C₂₂H₂₃ClN₂O₈
Molecular Weight: 478.9
Source: Semi-synthetic
Appearance: Yellow to orange solid
Purity: >98% by HPLC
Long Term Storage: -20°C
Solubility: Soluble in ethanol, methanol, DMF or DMSO. Good water solubility.

Application Notes
Methacycline hydrochloride is a salt prepared from methacycline taking advantage of the basic dimethylamino group which protonates and readily forms a salt in hydrochloric acid solutions. The hydrochloride is the preferred formulation for pharmaceutical applications. Like all tetracyclines, methacycline hydrochloride shows broad spectrum antibacterial and antiprotozoan activity and acts by binding to the 30S and 50S ribosomal subunits, blocking protein synthesis.

References