

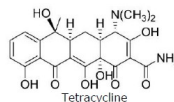
Tetracycline Degradation Set

Code No.: BIA-MS5011

Pack sizes.: 1mg, 5mg

Tetracycline Degradation Set

Code No.: BIA-MS5011



Product	Code No.	CAS #	Mol. Formula	Mol Wt.	Qty
Tetracycline	BIA-T1334	60-54-8	C ₂₂ H ₂₄ N ₂ O ₈	444.4	1mg
Anhydrotetracycline hydrochloride	BIA-A1340	13803-65-1	C ₂₂ H ₂₃ ClN ₂ O ₇	462.9	1mg
Epianhydrotetracycline hydrochloride	BIA-E1341	4465-65-0	C ₂₂ H ₂₃ ClN ₂ O ₇	462.9	1mg
Epitetracycline hydrochloride	BIA-E1339	23313-80-6	C ₂₂ H ₂₅ ClN ₂ O ₈	480.9	1mg

Synonyms:

1mg or 5mg of each compound

Specifications

CAS #	: Varied
Molecular Formula	: Varied
Molecular Weight	: Varied
Source	: -
Appearance	: Varied
Purity	: -
Long Term Storage	: -20°C
Solubility	: Methanol, ethanol, DMSO and water

Application Notes

Tetracycline is a potent broad spectrum antibiotic that has played a pivotal role in human and animal health for over 60 years. Tetracycline is a linear tetracycline which can be degraded under various conditions, such as acidity, alkalinity, heat, oxidation, light and temperature. The degradation products are not biologically inert; rather, they are oxidative and isomeric analogues with unique physical and chemical properties that are not well characterised. The Tetracycline Degradation Set provides the major degradation products described in the literature as a tool for understanding and monitoring the fate of tetracycline on storage and in biological systems. | 1. Tetracycline - (CAS# 60-54-8) - Molecular Formula: C₂₂H₂₄N₂O₈ - Molecular Weight: 444.4 | 2. Anhydrotetracycline hydrochloride - (CAS# 13803-65-1) - Molecular Formula: C₂₂H₂₃ClN₂O₇ - Molecular Weight: 462.9 | 3. Epianhydrotetracycline hydrochloride - (CAS# 4465-65-0) - Molecular Formula: C₂₂H₂₃ClN₂O₇ - Molecular Weight: 462.9 | 4. Epitetracycline hydrochloride - (CAS# 23313-80-6) - Molecular Formula: C₂₂H₂₅ClN₂O₈ - Molecular Weight: 480.9

References