



Tetracycline Hydrochloride

Inhibitor of protein synthesis.

Strong antibiotic tetracycline hydrochloride powder is frequently used in microbiology due to its ability to effectively inhibit a wide range of bacteria. Bacteria are inhibited when tetracycline hydrochloride, which is produced from *Streptomyces* species, prevents them from synthesizing proteins.

Tetracycline Hydrochloride Powder is used by microbiologists to prepare selective culture media in the laboratory.

Cat. Number	AS-2022
CAS Number	64-75-5
MDL Number	MFCD00078142
PubChem	310280702
Molecular Weight	480.90 g/mol
Molecular Formula	C ₂₂ H ₂₅ CIN ₂ O ₈
Storage Temperature	-20°C
Form and Color	Powder, yellow
Solubility (5% in water)	Clear, yellow to yellow-orange solution
Assay	≥ 95%
pH (1% in water)	1.8 – 2.8
Loss on Drying (60 °C)	Max. 2%
Synonym	Achromycin; Tetracyn