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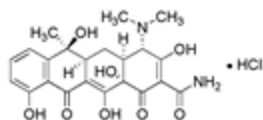
Web site: www.chemimpex.com

Manufacturing site:

825 Dillon Drive

Wood Dale, IL 60191

Product Specifications



Catalogue Number 00667

Product **Tetracycline hydrochloride**

Achromycin hydrochloride

CAS Number 64-75-5

Molecular Formula C₂₂H₂₄N₂O₈•HCl

Molecular Weight 480.90

Appearance Yellow crystalline powder

Crystallinity To pass test

Heavy Metals ≤ 0.005%

pH 1.8-2.8 (C=1% in Water at 25 °C)

Optical Rotation -240 to -255°

Loss on Drying ≤ 2%

Residual Solvents Acetone (GC): ≤ 100 ppm
n-Butanol (GC): ≤ 3000 ppm

Related Substances 4-Epitetracycline: ≤ 3.0%
4-Ephianhydrotetracycline: ≤ 2%
Anhydrotetracycline: ≤ 0.5%
Chlortetracycline hydrochloride: ≤ 0.5%
Maximum single unknown impurity: ≤ 0.1%

Potency (Anhydrous Basis) ≥ 900 µg/mg

Grade USP

Storage Store at 0-8 °C

Additional Information Identification: To pass test

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For Laboratory Use Only