

Product Specifications



SCIENTIFIC

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TETRACYCLINE HCl

Product Number

IB02200

Size

25gm

CAS NO.

CAS#

64-75-5

PHYSICAL SPECIFICATIONS

| | |
|---------------------------|--------------------------------|
| Molecular Formula | $C_{22}H_{24}N_2O_8 \cdot HCl$ |
| Molecular Weight | 480.90 |
| pH (1% water) | 2.3 ± 0.5 |
| Potency | Min. 900 $\mu g/mg$ |
| Moisture | Max. 2.0% |
| 4-ephianhydrotetracycline | Max. 2.0% |

STORAGE

Store at +4°C. Warm to room temperature before opening. Keep tightly sealed. Store Tetracycline Hydrochloride solution in a light-tight container at -20°C.

RECOMMENDED USE

IBI Tetracycline Hydrochloride is used in the following working conditions:

| | <u>Stock Solution</u> | <u>Working Concentration</u> | |
|------------------|----------------------------|------------------------------|---------------|
| | | Stringent | Relaxed |
| Tetracycline HCl | 5mg/ml in H ₂ O | 10 $\mu g/ml$ | 50 $\mu g/ml$ |

Note: Stock solution of antibiotics dissolved in H₂O should be sterilized by filtration through a 0.22 micron filter.

WARNING

Classification: Skin Irritant - 2
Eye Irritant - 2
Germ Cell Mutagenicity - 1B
Toxic to Reproduction - 1B
Respiratory Sensitization - 1
Skin Sensitization - 1
Acute Toxicity (Oral) - 3

Hazard Statements: H315-Causes skin irritation • H319-Cause serious eye irritation • H335-May cause respiratory irritation • H340-May cause genetic defects • H317-May cause an allergic skin reaction • H334-May cause allergy or asthma symptoms or breath difficulties if inhaled • H301-Toxic if swallowed

Precautionary Statements: P264-Wash hands thoroughly after handling • P280-Wear protective gloves/protective clothing/eye protection/face protection • P201-Obtain special instructions before use • P202-Do not handle until all safety precautions have been read and understood • P271-Use only outdoors or in a well-ventilated area • P262-Do not get in eyes, on skin, or on clothing • P270-Do not eat, drink, or smoke when using this product.



DANGER!

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