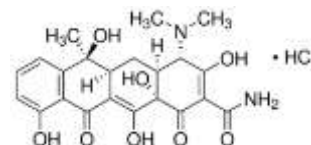


TETRACYCLINE HYDROCHLORIDE FOR MOLECULAR BIOLOGY

PRODUCT CODE	987810
SYNONYMS	--
C.I. NO.	--
CASR NO.	64-75-5
ATOMIC OR MOLECULAR FORMULA	$C_{22}H_{24}N_2O_8 \cdot HCl$
ATOMIC OR MOLECULAR WEIGHT	480.90
PROPERTIES	Storage 20°C



PARAMETER	LIMIT
Description	Yellow crystals or crystalline powder or solid.
Solubility	Soluble in water
pH (1% in water at 25°C)	1.8 - 2.8
Specific rotation (c = 0.50% in 0.1M HCl at 20°C)	-255.00° to -240.00°
Potency	Min 900 µg/mg
Minimum Assay (NT/HPLC/NaOH Titration)	90.0 – 102.0%
DNase, RNase	None detected

Note(s): Assay (if applicable) method mentioned.

WARNING

Hazard statements: Harmful if inhaled. May be harmful if swallowed. Causes skin irritation. Causes serious eye irritation. Very toxic to aquatic life with long lasting effects.

Precautionary statements

Prevention: Avoid breathing dust/fume/gas/mist/vapours/spray. Wash thoroughly after handling. Wash hands thoroughly after handling. Use only outdoors or in a well ventilated area.

Response: IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. Wear eye/face protection. If eye irritation persists, get medical advice/attention. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If skin irritation occurs, seek medical advice/attention. Call a POISON CENTER or doctor/physician if you feel unwell. IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. Specific treatment: refer to Label or MSDS. IF ON SKIN: Gently wash with plenty of soap and water. Wash/Decontaminate removed clothing before reuse. Remove/Take off immediately all contaminated clothing

Disposal: Dispose of contents and container in accordance with relevant legislation.

Hazard Pictogram(s) : -



GHS07



GHS09

IMDG Code : 9 / III

UN No. : 3077

IATA : 9

Replace Date 19-Sep-2026