

## Tetracyclin hydrochloride, For Molecular Biology

**MB178**


### Product Identifier

CAS No.	:	64-75-5
EC No.	:	200-593-8
Molecular Formula	:	C <sub>22</sub> H <sub>24</sub> N <sub>2</sub> O <sub>8</sub> ·HCl
Molecular Weight	:	480.90
HS Code	:	2941 30 20
Storage	:	2 - 8°C
Shelf life	:	3 years

### Technical Specification

Appearance	:	Light yellow to orange crystals or powder or solid
Solubility	:	33.3 mg soluble in 1 mL of water on heating
pH (1% in water at 25°C)	:	1.80 - 2.80
DNases	:	None detected
RNases	:	None detected
FTIR	:	Matches with the standard pattern
Specific rotation	:	-255.00° to -240.00° (c = 0.50% in 0.1M HCl at 20°C)
Potency	:	min. 900 µg/mg
Assay (NT/HPLC/NaOH Titration)	:	90.00 - 102.00%

### Safety Information

Hazard Pictogram(s)	:	
Signal Word	:	Warning
Hazard Statement(s)	:	H315- H319- H335- H361fd- H410
Precautionary Statement(s)	:	P201- P261- P273- P280- P312- P501
UN No.	:	3077
Class	:	9
Packing Group	:	III
RTECS	:	QI9100000
WGK	:	3