

SPECIFICATION

Tetracycline Hydrochloride

Parameters	Specification
CAS Number	64-75-5
Appearance	Off-white crystalline powder
Molecular Formula	C ₂₂ H ₂₅ ClN ₂ O ₈
Molecular Weight	480.89 g/mol
Boiling Point	360 °C
Melting Point	176 °C
Flash Point	190 °C
Purity	98–99%
Refractive Index	1.63
Solubility	Soluble in water; soluble in ethanol; insoluble in diethyl ether
Uses	Broad-spectrum antibiotic used to treat bacterial infections in humans and animals; also used in veterinary medicine and research.

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