

SPECIFICATION

Doxycycline Hydrochloride

Parameters	Specification
CAS Number	10592-13-9
Appearance	White to off-white crystalline powder
Molecular Formula	C ₂₂ H ₂₅ ClN ₂ O ₈
Molecular Weight	480.89 g/mol
Boiling Point	280 °C
Melting Point	203 °C
Flash Point	168 °C
Purity	98–99%
Refractive Index	1.52
Solubility	Soluble in water; soluble in methanol; sparingly soluble in ethanol; insoluble in diethyl ether
Uses	Antibiotic used to treat bacterial infections; tetracycline class

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