



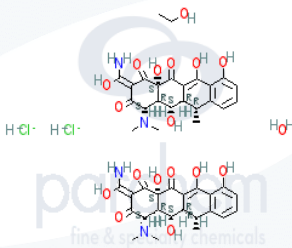
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Typical Product Specifications & Properties

Doxycycline Hyclate

CAS Number: : 564-25-0

Specifications	Limits
Assay/Purity	Typically NLT 98%
Chemical Structure	 The chemical structure shows the doxycycline molecule, a tetracycline derivative, with its hydrochloride salt form (HCl) and water of hydration (H2O). The structure is complex, featuring a tetracyclic core with various functional groups including hydroxyl, carbonyl, and amino groups. The doxycycline molecule is shown in its enol form, which is the active form of the antibiotic. The hydrochloride salt is formed by the reaction of the enol form with HCl, and the water of hydration is shown as H2O.



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