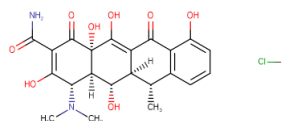


Product Name	: Doxycycline hydrochloride
Synonyms	: Doxycycline Hydrochloride
Cat No.	: M10266
CAS Number	: 10592-13-9
Molecular Formula	: C ₂₂ H ₂₄ N ₂ O ₈ ·HCl
Formula Weight	: 480.90
Chemical Name	: 2-Naphthacene-carboxamide, 4-(dimethylamino)-1,4,4a,5,5a,6,11,12a-octahydro-3,5,10,12,12a-pentahydroxy-6-methyl-1,11-dioxo-, monohydrochloride, (4S,4aR,5S,5aR,6R,12aS)-
Description	: Doxycycline Hydrochloride is a synthetic tetracycline derivative with similar antimicrobial activity. Doxycycline is a tetracycline antibiotic which is commonly used to treat a variety of infections.
Pathway	: Metabolic Enzyme/Protease
Target	: MMP
Receptor	: MMP
Solubility	: DMSO: 3 mg/mL (6.23 mM)
SMILES	: <chem>O=C(C(C(=O)=O)[C@@H](N(C)C)[C@H]2([H])[C@@H](O)[C@H]3([H])[C@@H](C)C4=C(C(=O)C(=O)C(=O)C(=O)C4)N.[H]Cl</chem>
Storage	: (-20°C)
Stability	: ≥ 2 years
Reference	:



1. Hanemaaijer R, et al. J Biol Chem, 1997, 272(50), 31504-31509.