**PRODUCT:** Doxycycline hyclate

**ALTERNATE NAME:**

\[(4S,4aR,5S,5aR,6R,12aS)-4-(Dimethylamino)-3,5,10,12,12a-pentahydroxy-6-methyl-1,11-dioxo-1,4,4a,5,5a,6,11,12a-octahydrotetracene-2-carboxamide hydrochloride\]

**CATALOG #:** 2209-100, 500

**AMOUNT:** 100 mg, 500 mg

**STRUCTURE:**

![Doxycycline hyclate structure](image)

**MOLECULAR FORMULA:** C_{22}H_{24}N_{2}O_{8}.HCl

**MOLECULAR WEIGHT:** 480.90

**CAS NUMBER:** 24390-14-5

**APPEARANCE:** Yellow solid

**SOLUBILITY:** DMSO (100 mM) or H_{2}O (100 mM)

**PURITY:** ≥98% by TLC

**STORAGE:** Store at -20 °C. Protect from light and moisture.

**DESCRIPTION:** A synthetic derivative of oxytetracycline. Acts as a broad spectrum antibiotic and matrix metallo-proteinases (MMP) inhibitor. Useful in studies involving wound healing and tissue remodeling.

**HANDLING:** Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

**USAGE:** FOR RESEARCH CH USE ONLY! Not to be used in humans

**RELATED PRODUCTS:**

- Batimastat (Cat. No. 1704-1)
- GM6001 (Cat. No. 1799-1)
- Marimastat (Cat. No. 1790-1, 5)
- MMP-9 Antibody (Cat. No. 3529-100)
- MMP-9 Antibody (Cat. No. 3969-200)
- MMP-9 Antibody (Cat. No. 5565-100)
- MMP-9, human recombinant (Cat. No. 7789-10, 50, 1000)
- MMP-9 Inhibitor (Cat. No. 1981-500)
- TAPI-0 (Cat. No. 2067-1)
- TAPI-2 (Cat. No. 2069-1)