

## Doxycycline hyclate

Cat. No. CEI-0560

Lot. No. (See product label)

### Introduction

**Description** A synthetic derivative of oxytetracycline. Acts as a broad spectrum antibiotic and matrix metalloproteinases (MMP) inhibitor. Useful in studies involving wound healing and tissue remodeling.

### Product Information

**Appearance** Yellow solid

**CAS No.** 24390-14-5

**Molecular Formula** C<sub>22</sub> H<sub>24</sub> N<sub>2</sub> O<sub>8</sub> .HCl

**Chemical 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

**Molecular Weight** 340.42

**Purity** >98% by HPLC

**Targets** MMP

**Solubility** DMSO (~ 25 mg/ml)

### Storage and Shipping Information

**Storage** -20 centigrade

**Shipping Conditions** Gel pack