

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 metallo-proteinases (MMP) inhibitor. Useful in studies involving wound healing and tissue remodeling.

Product Information

Appearance Yellow solid

CAS No. 24390-14-5

Molecular Formula C₂₂ H₂₄ N₂ O₈ .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