

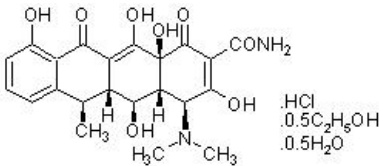
Product datasheet

Doxycycline hyclate, matrix metalloprotease inhibitor

ab141091

[7 References](#) [1 Image](#)

Overview

Product name	Doxycycline hyclate, matrix metalloprotease inhibitor
Description	Synthetic tetracycline; matrix metalloprotease inhibitor
Purity	> 97%
CAS Number	24390-14-5
Chemical structure	

Properties

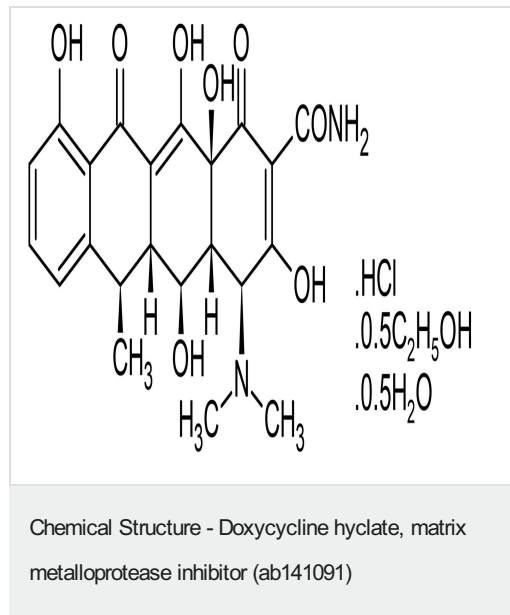
Chemical name	(4 <i>S</i> ,4 <i>aR</i> ,5 <i>S</i> ,5 <i>aR</i> ,6 <i>R</i> ,12 <i>aS</i>)-4-(Dimethylamino)-1,4,4 <i>a</i> ,5,5 <i>a</i> ,6,11,12 <i>a</i> -octahydro-3,5,10,12,12 <i>a</i> -pentahydroxy-6-methyl-1,11-dioxo-2-naphthacenecarboxamide hyclate
Molecular weight	512.94
Molecular formula	C ₂₂ H ₂₄ N ₂ O ₈ ·HCl·0.5C ₂ H ₅ OH·0.5H ₂ O
PubChem identifier	54686183
Storage instructions	Store at +4°C. Store under desiccating conditions. The product can be stored for up to 12 months.
Solubility overview	Soluble in water to 100 mM and in DMSO to 100 mM
Handling	<p>Wherever possible, you should prepare and use solutions on the same day. However, if you need to make up stock solutions in advance, we recommend that you store the solution as aliquots in tightly sealed vials at -20°C. Generally, these will be useable for up to one month. Before use, and prior to opening the vial we recommend that you allow your product to equilibrate to room temperature for at least 1 hour.</p> <p>Need more advice on solubility, usage and handling? Please visit our frequently asked questions (FAQ) page for more details.</p>
SMILES	Cl.Cl.O.CCO.NC(=O)C=3C(=O)[C@@]4(O)C(O)=C2C(=O)c1c(O)cccc1[C@H](C)[C@H]2[C@H](O)[C@H]4[C@H](N(C)C)C=3O.NC(=O)C=3C(=O)

[C@@]4(O)C(O)=C2C(=O)c1c(O)cccc1[C@H](C)[C@H]2[C@H](O)[C@H]4[C@@H](C=3O)N(C)C

Source

Synthetic

Images



2D chemical structure image of ab141091, Doxycycline hyclate, matrix metalloprotease inhibitor

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