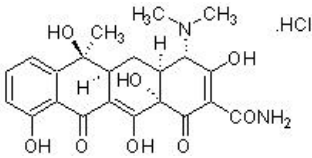


Tetracycline hydrochloride, Broad spectrum antibiotic ab141223

1 Image

Overview

Product name	Tetracycline hydrochloride, Broad spectrum antibiotic
Description	Broad spectrum antibiotic
Biological description	Broad spectrum antibiotic, displays bacteriostatic activity. Protein synthesis inhibitor, binds to the 30S ribosomal subunit. Antiapoptotic and anti-inflammatory effects. Active <i>in vivo</i> .
Purity	> 96%
CAS Number	64-75-5
Chemical structure	

Properties

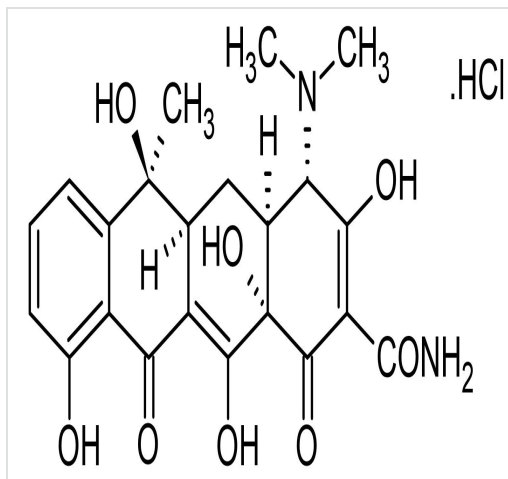
Chemical name	(4S,4aS,5aS,6S,12aS)-4-(Dimethylamino)-1,4,4a,5,5a,6,11,12a-octahydro-3,6,10,12,12a-pentahydroxy-6-methyl-1,11-dioxo-2-naphthacencarboxamide hydrochloride
Molecular weight	480.90
Molecular formula	C ₂₂ H ₂₄ N ₂ O ₈ ·HCl
PubChem identifier	54683010
Storage instructions	Store at -20°C. Store under desiccating conditions. The product can be stored for up to 12 months.
Solubility overview	Soluble in water 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.NC(=O)C1=C(O)[C@@H](N(C)C)[C@@H]2C[C@H]4C(=C(O)
[C@]2(O)C1=O)C(=O)c3c(O)cccc3[C@@]4(C)O

Source

Synthetic

Images

Chemical Structure - Tetracycline hydrochloride,
Broad spectrum antibiotic (ab141223)

2D chemical structure image of ab141223, Tetracycline hydrochloride, Broad spectrum antibiotic

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES, NOT FOR USE IN HUMANS"

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