

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-naphthacene-carboxamide 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>Toxic, refer to SDS for further information.</p> <p>Need more advice on solubility, usage and handling? Please visit our frequently asked</p> |

questions (FAQ) page for more details.

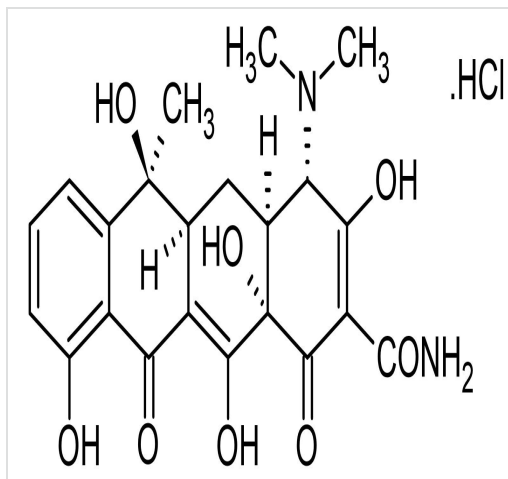
SMILES

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



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

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

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

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