



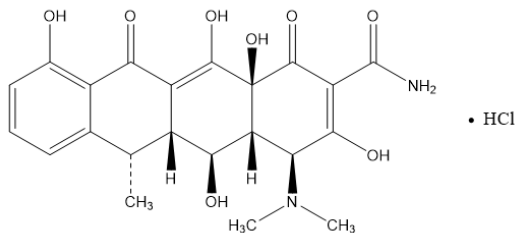
# Certificate

## DOXYCYCLINE RELATED COMPOUND A

((4S,4aR,5S,5aR,6S,12aS)-4-(Dimethylamino)-1,4,4a,5,5a,6,11,12a-octahydro-3,5,10,12,12a-pentahydroxy-6-methyl-1,11-dioxo-2-naphthacenecarboxamide, monohydrochloride)

USP Catalog No.: 1226014

USP Lot No.: R163B0



CAS No.: 41411-66-9

Molecular Formula:  $C_{22}H_{24}N_2O_8 \cdot HCl$

Molecular Weight: 480.90

**LABEL TEXT**

For use with specified USP compendial tests. Not for use as a drug. See SDS prior to use at www.usp.org/sds.



Lot: R163B0

**REFERENCE STANDARD****DOXYCYCLINE RELATED COMPOUND A 10 mg**

((4S,4aR,5S,5aR,6S,12aS)-4-(Dimethylamino)-1,4,4a,5,5a,6,11,12a-octahydro-3,5,10,12,12a-pentahydroxy-6-methyl-1,11-dioxo-2-naphthacene-carboxamide, monohydrochloride)



Warning! Suspected of damaging fertility or the unborn child.

Labeled for qualitative use. Keep container tightly closed. Protect from light. Store in a refrigerator.

See certificate for any additional information.  
USP, 12601 Twinbrook Pkwy, Rockville, MD, +1-301-881-0666  
Cat. No. 1226014 Material mfd. in India

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves/protective clothing/eye protection/face protection. If exposed or concerned: Get medical advice/attention. Store locked up. Dispose of contents/container in accordance with local/regional/national/international regulations.

*Danielle A. Vattimo*

*Quality Assurance*

**Certificate Version History**

Version Number	Date	Reasons for Change
00	05-MAY-2022	First issue

**Assigned Value**

Please refer to the USP Reference Standard label and/or USP Certificate for the assigned value of the specific lot. If an assigned value is not included on the label or Certificate, the lot was developed for qualitative USP compendial use and an assigned value will not be provided.

**Valid Use Date**

It is the responsibility of the user to ascertain that a particular lot of a USP Reference Standard has official status either as a "Current Lot" or as a "Previous Lot" within the assigned valid use date. The online USP Reference Standards Catalog and the online USP Store at [www.usp.org](http://www.usp.org) are updated daily. USP recommends referring to one of these sources prior to using a USP RS to make sure the lot is valid for use.

**Storage**

Storage conditions are lot-specific and may change from one lot to another. The storage condition for an unopened USP Reference Standard is provided on the container label only, not on the Safety Data Sheet. If no specific directions or limitations are on the label, conditions of storage include storage at room temperature and protection from moisture, light, freezing, and excessive heat. See General Chapter <659> in the USP-NF Online for storage and handling definitions.

**Instructions for Use**

Follow the instructions provided on this Certificate, on the label of the USP Reference Standard, and in the associated USP documentary standard(s). Please refer to General Chapter <11> for additional information.

**Non-USP Compendial Use**

USP Reference Standards are intended only for use in analytical or laboratory applications generally as specified in USP compendia. They are not for use in humans or animals as drugs or medical devices. It may be possible to use a USP RS outside of its associated USP compendial applications; however, it is the responsibility of the user to determine the suitability of the USP RS for a non-USP use.

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