



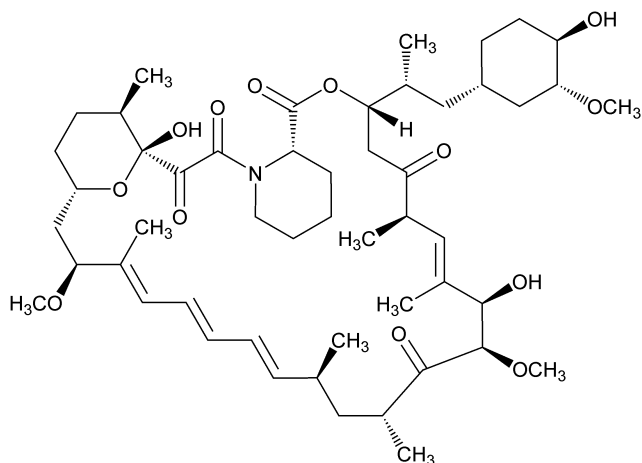
Certificate

SIROLIMUS

(3*S*,6*R*,7*E*,9*R*,10*R*,12*R*,14*S*,15*E*,17*E*,19*E*,21*S*,23*S*,26*R*,27*R*,34*aS*)-9,10,12,13,14,21,22,23,24,25,26,27,32,33,34,34*a*-Hexadecahydro-9,27-dihydroxy-3-[(1*R*)-2-[(1*S*,3*R*,4*R*)-4-hydroxy-3-methoxycyclohexyl]-1-methylethyl]-10,21-dimethoxy-6,8,12,14,20,26-hexamethyl-23,27-epoxy-3*H*-pyrido[2,1-*c*][1,4]-oxaazacyclohentriacontine-1,5,11,28,29(4*H*,6*H*,31*H*)-pentone)

USP Catalog No.: 1612765

USP Lot No.: R193V0



CAS No.: 53123-88-9

Molecular Formula: C₅₁H₇₉NO₁₃

Molecular Weight: 914.19

**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: R193V0

**REFERENCE STANDARD****SIROLIMUS 50 mg**

Danger! Suspected of causing cancer. Suspected of damaging fertility or the unborn child. Causes damage to organs (immune system) through prolonged or repeated exposure.

For quantitative applications, use a value of 0.994 mg of sirolimus per mg of material on the as is basis. Keep container tightly closed. Protect from exposure to oxygen. Protect from light. Store in a freezer.



See certificate for any additional information.
USP, 12601 Twinbrook Pkwy, Rockville, MD, +1-301-881-0666
Cat. No. 1612765 Material mfd. in China

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not breathe dust/fume/gas/mist/vapors/spray. Wash thoroughly after handling. 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 (Current)	26-SEP-2023	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 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.

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