

Certificate

EPRINOMECTIN

(A mixture of (2*a*E,4*E*,5'*S*,6*S*,6'*R*,7*S*,8*E*,11*R*,13*S*,15*S*,17*a*R,20*R*,20*a*R,20*b*S)-6'-(*S*)-sec-Butyl-5',6,6',7,10,11,14,15,17*a*,20,20*a*,20*b*-dodecahydro-20,20*b*-dihydroxy-5',6,8,19-tetramethyl-17-oxospiro[11,15-methano-2*H*,13*H*,17*H*-furo[4,3,2-*pq*][2,6]benzodioxacyclooctadecin-13,2'-[2*H*]pyran]-7-yl-4-*O*-(4-acetamido-2,4,6-trideoxy-3-*O*-methyl- α -*L*-lyxo-hexopyranosyl)-2,6-dideoxy-3-*O*-methyl- α -*L*-arabino-hexopyranoside

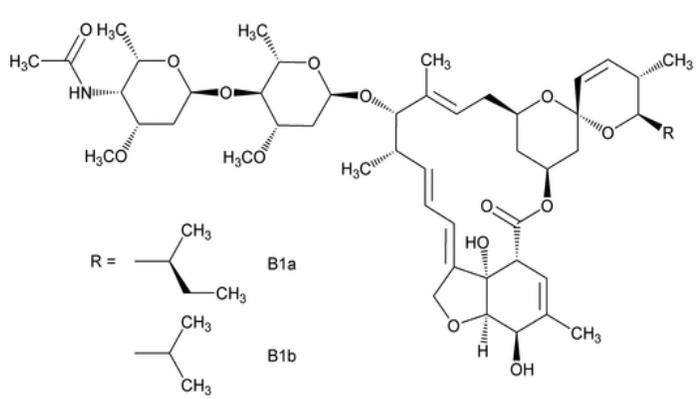
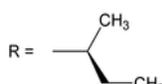
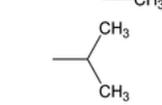
[Component B_{1a} (major)] and

(2*a*E,4*E*,5'*S*,6*S*,6'*R*,7*S*,8*E*,11*R*,13*S*,15*S*,17*a*R,20*R*,20*a*R,20*b*S)-5',6,6',7,10,11,14,15,17*a*,20,20*a*,20*b*-Dodecahydro-20,20*b*-dihydroxy-6'-isopropyl-5',6,8,19-tetramethyl-17-oxospiro[11,15-methano-2*H*,13*H*,17*H*-furo[4,3,2-*pq*][2,6]benzodioxacyclooctadecin-13,2'-[2*H*]pyran]-7-yl-4-*O*-(4-acetamido-2,4,6-trideoxy-3-*O*-methyl- α -*L*-lyxo-hexopyranosyl)-2,6-dideoxy-3-*O*-methyl- α -*L*-arabino-hexopyranoside **[Component B_{1b} (minor)]**)

USP Catalog No.: 1237752

USP Lot No.: R051V0

Only compendial components as listed in the monograph are shown below.

 <p>R =  B1a  B1b</p>	<p>CAS No.: 133305-88-1 (component B_{1a}) 133305-89-2 (component B_{1b})</p>
	<p>Molecular Formula: C₅₀H₇₅NO₁₄ (component B_{1a}) C₄₉H₇₃NO₁₄ (component B_{1b})</p>
	<p>Molecular Weight: 914.13 (component B_{1a}) 900.10 (component B_{1b})</p>

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: R051V0

USP REFERENCE STANDARD

EPRINOMECTIN 300 mg

(A mixture of component B_{1a} and component B_{1b})

Danger! Toxic if swallowed.

Do not dry. For quantitative applications, determine the water content titrimetrically at time of use. Use a value of 0.950 mg for component B_{1a}; and a value of 0.018 mg for component B_{1b} per mg of material on the anhydrous basis. Keep container tightly closed. Protect from light. Store in a freezer.

USP, 12601 Twinbrook Pkwy, Rockville, MD, +1-301-881-0666

Cat. No. 1237752 Material mfd. in France

Wash thoroughly after handling. If swallowed: Immediately call a poison center/doctor. Rinse mouth. Store locked up. Dispose of contents/container in accordance with local/regional/national/international regulations.

Jeri L. Joth

Quality Assurance

Calculation Value

If a value is not provided on the label or accompanying documentation and the Reference Standard has a quantitative USP compendial application, a value of 100.0% is used. The purity value is not applicable for qualitative uses. Please refer to the specific Reference Standard label for further information.

Expiration

Current lots are identified in the current USP Catalog. In some cases, the previous lot may still be considered valid for use. If so, it is identified in the column marked "Previous Lot/Valid Use Date."

It is the responsibility of each user to determine that this lot is current or valid when used. For the most up-to-date information, please refer to the USP Store at www.usp.org.

Instructions for Use

Follow the instructions on the label of the USP Reference Standard and in the appropriate USP documentary standard(s).

Non-Monograph Use

The suitability of this Reference Standard for use in non-compendial applications is solely the responsibility of the user.

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