

# 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- $\alpha$ -L-lyxo-hexopyranosyl)-2,6-dideoxy-3-O-methyl- $\alpha$ -L-arabino-hexopyranoside

**[Component B<sub>1a</sub> (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- $\alpha$ -L-lyxo-hexopyranosyl)-2,6-dideoxy-3-O-methyl- $\alpha$ -L-arabino-hexopyranoside **[Component B<sub>1b</sub> (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>	CAS No.: 133305-88-1 (component B <sub>1a</sub> ) 133305-89-2 (component B <sub>1b</sub> )
	Molecular Formula: C <sub>50</sub> H <sub>75</sub> NO <sub>14</sub> (component B <sub>1a</sub> ) C <sub>49</sub> H <sub>73</sub> NO <sub>14</sub> (component B <sub>1b</sub> )
	Molecular Weight: 914.13 (component B <sub>1a</sub> ) 900.10 (component B <sub>1b</sub> )

**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](http://www.usp.org/sds).



Lot: R051V0



**REFERENCE STANDARD**

**EPRINOMECTIN 300 mg**

(A mixture of component B<sub>1a</sub> and component B<sub>1b</sub>)

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<sub>1a</sub>; and  
a value of 0.018 mg for component B<sub>1b</sub> 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](http://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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