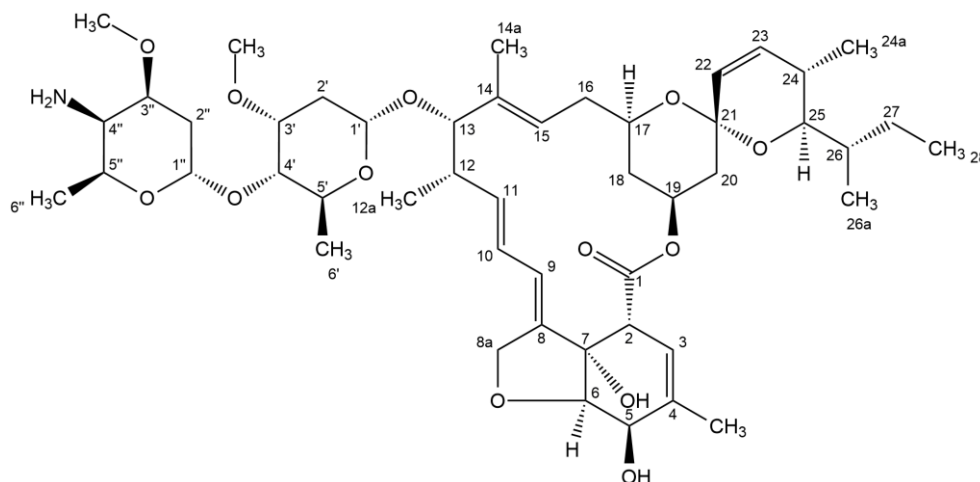


# Certificate of Analysis

## Product Information





<b>PRODUCT</b>	<b>Amino avermectin B1a</b>
<b>CAT #</b>	N/A
<b>BATCH #</b>	055-087-105
<b>ASSAY METHOD</b>	HPLC-UV, MS, <sup>1</sup> H-NMR, <sup>13</sup> C-NMR
<b>REPORT DATE</b>	11/25/2025
<b>CHEMICAL NAME</b>	4''-epi-amino-4''-deoxy-avermectin B1a
<b>SMILES STRUCTURE</b>	N/A
<b>OTHER NAMES</b>	AB1a
<b>CHEMICAL FORMULA</b>	C <sub>48</sub> H <sub>73</sub> NO <sub>13</sub>
<b>MOLECULAR WEIGHT</b>	872.1 g/mol
<b>CAS REGISTRY #</b>	121064-68-4
<b>STORAGE</b>	<-18 °C; in dark
<b>EXPIRATION DATE</b>	11/25/2027
<b>NOTES</b>	References for this compound may be found in <a href="#">JMPR Report 11-Emamectin Benzoate (247)</a>

## Analytical Data

TEST	METHOD	SPECIFICATION	RESULT
HPLC-UV	245 nm	>95%	95.2%
MS	ESI Positive	871.5	872.4 [M+H] <sup>+</sup>
<sup>1</sup> H-NMR		Conforms	Conforms
<sup>13</sup> C-NMR		Conforms	Conforms
Appearance	White powder		

Planta Analytica, Inc. certifies that this reference material meets the specifications stated in this certificate until the expiration date, provided it is stored unopened at the recommended conditions. All analytical data is prepared and stored following GLP guidelines.

CERTIFIED BY	CERTIFIER TITLE	CERTIFIED ON	SIGNATURE
Robert Gallucci	Scientist II	11/25/2025	
REVIEWED BY	REVIEWER TITLE	REVIEWED ON	SIGNATURE
Vitold Glinski	President	11/26/2025	

### Intended Use

This reference material is intended for laboratory use in analytical applications and as a quality control standard.

### Safety

Proper precautions should be observed while handling, as defined in the Materials Safety Data Sheet (MSDS).

### Storage

The product should be stored in the original packaging, sealed, and in the conditions dedicated in this certificate