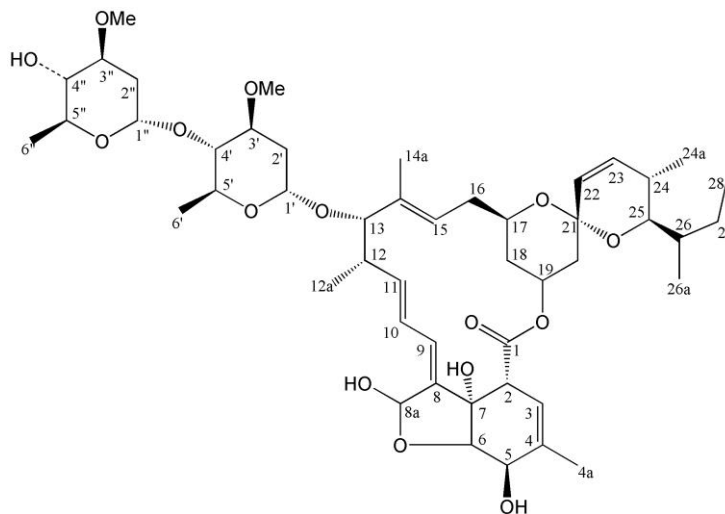


## Certificate of Analysis



<b>PRODUCT</b>	<b>8a-Hydroxy-Avermectin B1a</b>
<b>BATCH #</b>	PA-033-053-A
<b>ASSAY METHOD</b>	HPLC, <sup>1</sup> H-NMR
<b>REPORT DATE</b>	2020-02-28
<b>CHEMICAL NAME</b>	8a-Hydroxy-Avermectin B1a
<b>CHEMICAL FORMULA</b>	C <sub>48</sub> H <sub>72</sub> O <sub>15</sub>
<b>MOLECULAR WEIGHT</b>	889.09 g/mol
<b>CAS REG. #</b>	N/A
<b>STORAGE</b>	< - 20 degrees C; in the dark for long-term storage
<b>EXPIRATION DATE</b>	2021-02-28
<b>NOTES</b>	Add additional notes.

### Analytical Data

TEST	METHOD	SPECIFICATION	RESULT
HPLC	240 nm	N/A	98.0%
<sup>1</sup> H-NMR		Conforms	Conforms
Appearance		White solid	

Signed: Jan Glinski, Ph.D.  
 Planta Analytica LLC  
 February 28, 2020

