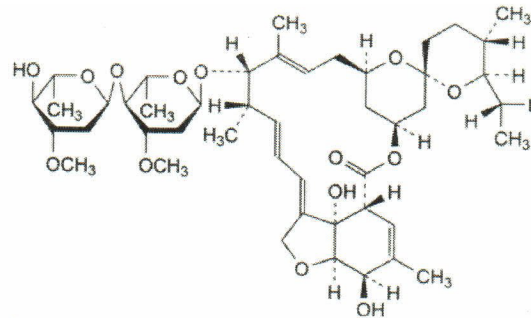




Batch no 20250916
Mf date Sep 16 2025
Expiry date Sep 15 2028

Molecular Structure



Molecular Formula $H_2B_{1a} C_{48}H_{74}O_{14}$
 $H_2B_{1b} C_{47}H_{72}O_{14}$
Molecular Weight H_2B_{1a} 875
 H_2B_{1b} 861
CAS Registry Number Ivermectin B1a 71827-03-7
Ivermectin B1b 70209-81-3

Oct 13 2025

Tests	Specifications	Results
Appearance	White or yellowish-white crystalline powder	White crystalline powder
Solubility	Practically insoluble in water, freely soluble in methylene chloride, soluble in alcohol	Conforms
Identification	IR, HPLC	Positive
Appearance of solution	Solution is clear $\leq BY_7$	Conforms
Specific optical rotation (anhydrous and solvent-free substance)	$-17 \sim -20^\circ$	-18.2°
Related substances	Impurities (RRT 1.3 ~ 1.5) $\leq 2.5\%$ Any other individual impurities $\leq 1.0\%$ Disregard limit $\leq 0.05\%$ Total impurities $\leq 5.0\%$	1.9% 0.57%, 0.16%, 0.32% 0.42%, 0.25%, 0.05% 0.05% 3.7%
Ethanol	$\leq 5.0\%$	3.7%
Formamide	$\leq 3.0\%$	2.6%
Water	$\leq 1.0\%$	0.3%
Sulfated ash	$\leq 0.1\%$	0.05%
Assay (odb) HPLC	$H_2B_{1a}/(H_2B_{1a} + H_2B_{1b})$ Ratio by area $\geq 90.0\%$ $H_2B_{1a} + H_2B_{1b}$ 95.0 ~ 102.0%	98.2% 95.9%

Packaging and storage	In an airtight container
Conclusion	Material complies with EP11