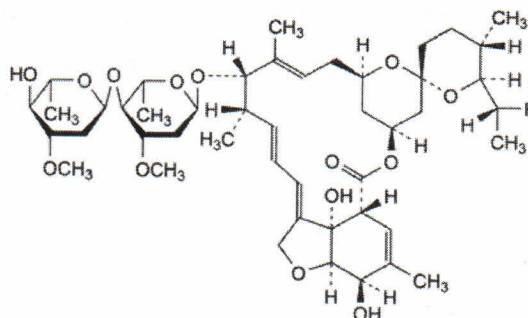


Batch no 20250219
Mf date Feb 19 2025
Expiry date Feb 18 2028

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

Mar 10 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)	$-17 \sim -20^\circ$	-18.1°
Related substances	Impurities (RRT 1.3 ~ 1.5) $\leq 2.5\%$	2.1%
	Any other individual impurities $\leq 1.0\%$	0.66, 0.18, 0.33 0.07, 0.72, 0.25
Ethanol Formamide Water Sulfated ash	Disregard limit $\leq 0.05\%$	0.05%
	Total impurities $\leq 5.0\%$	4.3%
	$\leq 5.0\%$	4.1%
	$\leq 3.0\%$	2.6%
	$\leq 1.0\%$	0.2%
Assay (odb) HPLC	$\leq 0.1\%$	0.05%
	$H_2B_{1a}/(H_2B_{1a} + H_2B_{1b})$ Ratio by area $\geq 90.0\%$	99.1%
	$H_2B_{1a} + H_2B_{1b}$ 95.0 ~ 102.0%	95.8%

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