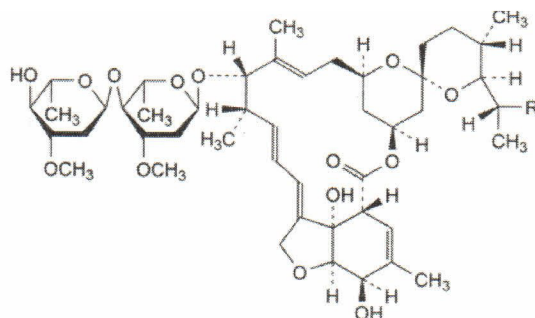


Batch no 20250726
Mf date Jul 26 2025
Expiry date Jul 25 2028

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

Sep 08 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) $\leq 2.5\%$	1.9%
	Any other individual impurities $\leq 1.0\%$	0.57%, 0.16%, 0.32%
		0.42%, 0.25%, 0.05%
	Disregard limit $\leq 0.05\%$	0.05%
	Total impurities $\leq 5.0\%$	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 $\geq 90.0\%$	98.2%
	$H_{2B_{1a}} + H_{2B_{1b}}$ 95.0 ~ 102.0%	95.9%

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