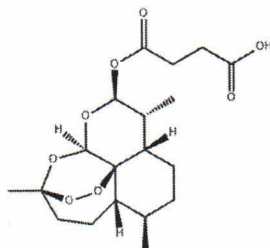


Batch no YN20231215
 Mf date Dec 15 2023
 Exp date Dec 14 2025

Molecular Structure



Molecular Formula $C_{19}H_{28}O_8$

Molecular Weight 384.42

CAS Registry Number 88495-63-0

Mar 05 2024

<u>Tests</u>	<u>Specifications</u>	<u>Results</u>
Appearance	A white crystalline powder, odorless, practically tasteless	Conforms
Solubility	Freely soluble in ethanol, acetone or chloroform, very slightly soluble in water	Conforms
Identification	IR, HPLC, TLC	Positive
Specific optical rotation	+4.5 ~ +6.5°	+5.2°
Melting point	131 ~ 136°C	133.3 ~ 133.5°C
pH	3.5 ~ 5.0	4.0
Chlorides	≤ 0.02%	Conforms
Related substances (HPLC)	Dihydroartemisinin ≤ 0.5% Artemisinin ≤ 0.5% Dehydrated dihydroartemisinin ≤ 0.1% Any other single impurity ≤ 0.1% Total impurities ≤ 1.5%	< 0.05% ND < 0.05% ND 0.05%
Water	≤ 0.5%	0.08%
Residual on ignition	≤ 0.1%	0.03%
Heavy metals	≤ 20 ppm	Conforms
Residual solvents	Methanol ≤ 0.3% Acetone ≤ 0.5% N-hexane ≤ 0.029%	ND 0.01% ND
Microbiological	Total aerobic microbial count ≤ 1000 cfu/gr Yeasts & molds ≤ 100 cfu/gr E. Coli: Negative	< 1 cfu/gr < 1 cfu/gr Negative
Assay (HPLC) odb	98.0 ~ 102.0% of $C_{19}H_{28}O_8$	99.93%

Packaging & storage	Preserve in tight, light-resistant containers
Conclusion	Material complies with CP2010