

QUALITY SPECIFICATION

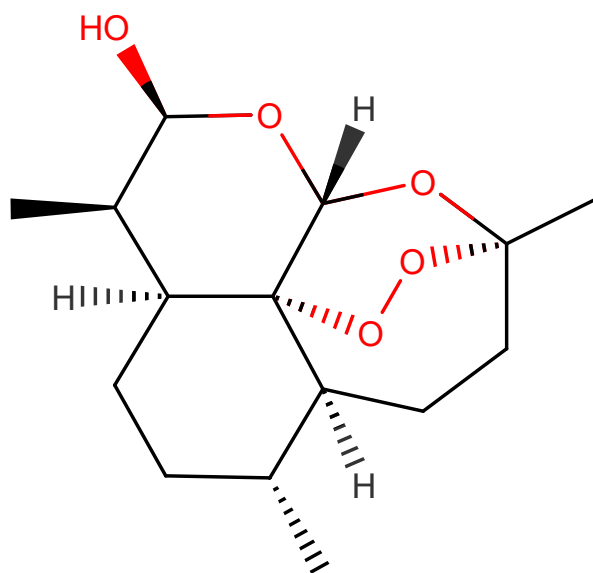
Dihydroartemisinin

Catalog No.: NST-10-201

CAS No.: 71939-50-9

Molecular formula: C₁₅H₂₄O₅

MW: 284.35



No.	Parameter	Specification	Method
1.	Appearance	Fine powder	Visual
2.	Color	White	Visual
3.	Identification	Color reaction. A bluish purple color is produced	In house
		Color reaction. A red color is produced which changes gradually to brown on Standing	In house
		Should show dextral optical properties	Polarimeter
		Conforms	IR
4.	Assay	≥98.0%	HPLC

5.	Related substances	Single clear spot should be obtained with solution (2). Any spot obtained with reference solution, other than the principal spot, not more than one is obtained, and is not more intense than the principal spot obtained with solution (1) (2.0%).	TLC
6.	Sulfated ash	≤0.1 %	In house
7.	Loss on drying	≤0.5 %	In house
8.	Melting point	145°C-150°C	Melting point apparatus
9.	Heavy Metal	≤10 ppm	TLC

Storage: long term storage - airtight container +2 ... +8 °C

Stability: 24 months when properly stored