

QUALITY SPECIFICATION

Rutaecarpine

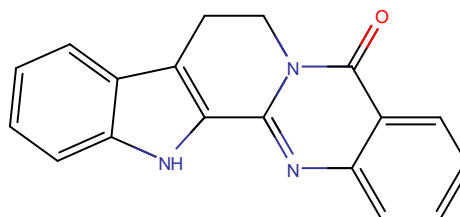
Catalog No.: NST-10-38

CAS No.: 84-26-4

Molecular formula: C₁₈H₁₃N₃O

MW: 287.32

Shelf life: 2 years



No.	Parameter	Specification	Method
1.	Appearance	Fine powder	Visual
2.	Color	Off-white	Visual
3.	Odor	Characteristic	Organoleptic
4.	Identification	Complies with the standard	TLC&NMR
5.	Particle size	100% through 80 mesh	80 mesh
6.	Bulk density	40~60 g/100mL	USP <616>
7.	Tap density	60~90 g/100mL	USP <616>
8.	Loss on drying	≤ 0.5 %	USP <731>
9.	Residue on ignition	≤ 1.0 %	USP <281>
10.	Water content	≤ 1.0 %	KF
11.	Melting point	259-261 °C	USP <741>
12.	Assay	≥ 98.0 %	HPLC
13.	Residual solvents	DMF ≤0.09%	GC
14.	Residual solvents	Ethanol ≤0.5%	GC
15.	Heavy Metals	≤10 ppm	ICP-MS
16.	Lead	≤3 ppm	ICP-MS

17.	Arsenic	≤2 ppm	ICP-MS
18.	Mercury	≤0.1 ppm	ICP-MS
19.	Cadmium	≤0.3 ppm	ICP-MS
20.	Chromium	≤2 ppm	ICP-MS
21.	TPC	Not more than 10 ³ CFU/g	USP <2021>
22.	TYMC	Not more than 10 ² CFU/g	USP <2021>
23.	Coliforms	Not more than 10 CFU/g	USP <2022>
24.	<i>Escherichia Coli</i>	Absent	USP <2022>
25.	<i>Staphylococcus aureus</i>	Absent	USP <2022>

Storage: Store in a cool & dry place, keep away from strong light and heat

Stability: 24 months when properly stored

Packaging: Packed in paper-drums with two food grade plastic-bags inside, 25kg/Drum or as requested