

QUALITY SPECIFICATION

Emodine

Catalog No.: NST-10-73

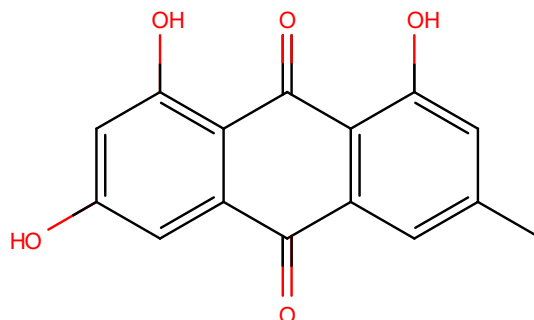
CAS No.: 518-82-1

Molecular formula: C₁₅H₁₀O₅

MW: 270.24

Botanical name: *Reynoutria japonica*

Shelf life: 2 years



No.	Parameter	Specification	Method
1.	Appearance	Solid	Visual
2.	Color	Yellow to dark orange	Visual
3.	Identification	Conforms	NMR&HPLC
4.	Assay	≥98.0 %	HPLC
5.	Purity	≥99.0 %	HPLC
6.	Any unspecified impurity	≤0.1 %	HPLC
7.	Catenarin	≤0.1 %	HPLC
8.	Physcion	≤0.5 %	HPLC
9.	Total impurities (sum of all impurities that are >0.05 by HPLC area %)	≤1.0 %	HPLC
10.	Sulphated ash	≤0.2 %	In house
11.	Water	≤5.0 %	KF
12.	Methanol	≤3000 ppm	GC
13.	Ethyl Acetate	≤5000 ppm	GC
14.	Benzene	≤2 ppm	GC

15.	NN'-Dimethylformamide	≤880 ppm	GC
16.	Lead	≤1 ppm	ICP-MS
17.	Arsenic	≤1 ppm	ICP-MS
18.	Mercury	≤0.1 ppm	ICP-MS
19.	Cadmium	≤3 ppm	ICP-MS

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

Stability: 24 months when properly stored