NATURE SCIENCE TECHNOLOGIES

E-mail: inquiries@nstchemicals.com
nstchemicals.com
Phone: +371 24220280

QUALITY SPECIFICATION

Glabridin

Catalog No.: NST-10-53

CAS No.: 59870-68-7

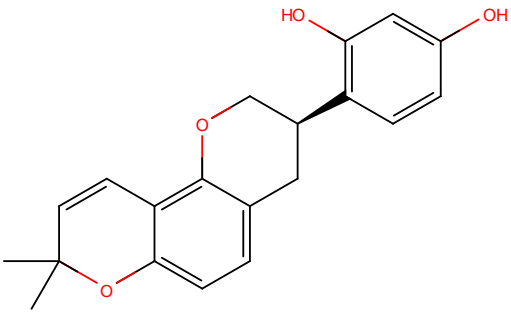
Molecular formula: $C_{20}H_{20}O_4$

MW: 324.37

Botanical source: *Glycyrrhiza glabra L.*

Part used: root

Shelf life: 24 months



No.	Parameter	Specification	Method
1.	Appearance	Powder	Visual
2.	Color	Almost white	Visual
3.	Identification	Conforms	NMR
4.	Assay	≥90.0 %	HPLC
5.	Residue on ignition	≤2.0 %	USP <281>
6.	Loss on drying	≤5.0 %	USP <731>
7.	Mesh size/sieve	≥95 % pass 80 mesh	80 mesh
8.	Solvent residues	USP <467>	GC
9.	Heavy Metals	≤10 ppm	ICP-MS
10.	Lead	≤2 ppm	ICP-MS
11.	Arsenic	≤1 ppm	ICP-MS
12.	Mercury	≤0.1 ppm	ICP-MS
13.	Cadmium	≤1 ppm	ICP-MS
14.	TPC	$<10^3$ CFU/g	USP <2021>

15.	TYMC	$<10^2$ CFU/g	USP <2021>
16.	*Escherichia Coli*	Absent	USP <2022>
17.	*Salmonella*	Absent	USP <2022>
18.	*Staphylococcus aureus*	Absent	USP <2022>

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

Stability: 24 months when properly stored