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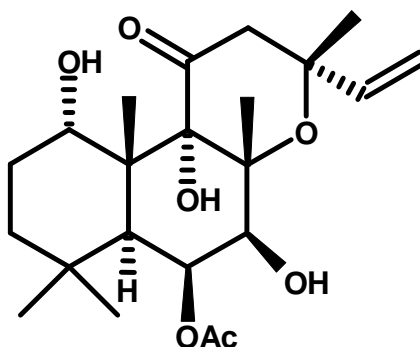
Product Specifications

Isoforskolin

CAS 64657-21-2

Syn: 6 β -Acetoxy-1 α ,7 β ,9 α -trihydroxy-8,13-epoxy-labd-14-en-11-one; 6-Acetyl-7-deacetylforskolin

Structure:



Mol. Formula
Source

C₂₂H₃₄O₇
Plectranthus Barbatus
(*Coleus Forskohlilii*)

Mol. Wt.

410.50

Test

Specification

Identity	IR, TLC, HPLC
Appearance	White microcryst. powder
Particle Size	100% pass through 40 mesh
Mp	220-222 °C (Lit.)
Purity (hplc, area %)	≥ 98%
Assay (hplc)	≥ 95%
Sp. Rot., [α]_D	- 8.33 ° (C = 5 mg/mL, MeOH) (Lit.)
LOD	≤ 1%
Ash (residue on ignition)	≤ 0.5%
Heavy metals	≤ 10 ppm
Pb	(AAS/ICP-MS) ≤ 3 ppm
As	(AAS/ICP-MS) ≤ 1 ppm
Hg	(AAS/ICP-MS) ≤ 1 ppm
Cd	(AAS/ICP-MS) ≤ 1 ppm

- cont'd -

- cont'd -

<i>Test</i>	<i>Specification</i>	
Residual Solvent	(USP <467>)	Conforms to ICH standards
Pesticide Residue	(USP <561>)	Conforms
Aflatoxins	(USP <561>)	Conforms
<u>Microbiological Specification</u>		
Total Aerobic	(USP <2021>)	≤100 cfu/g
<i>E. Coli</i>		negative
<i>Salmonella</i>		negative
<i>Staphylococcus aureus</i>		negative
<i>Coliforms</i>		negative
<i>Pseudomonas</i>		negative
Mold and Yeast	(USP <2022>)	≤100 cfu/g

Storage: Maintain in cool, dry containment.