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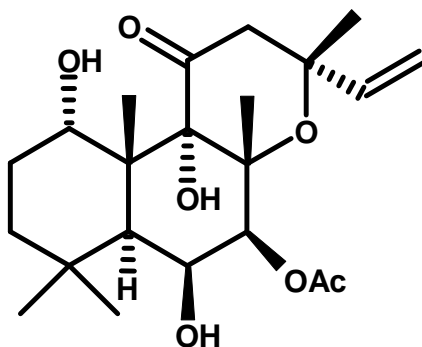
## Product Specifications

### Forskolin

CAS 66575-29-9

Syn: 7 $\beta$ -Acetoxy-8,13-epoxy-1 $\alpha$ ,6 $\beta$ ,9 $\alpha$ -trihydroxylabd-14-en-11-one; Coleonol;  
Colforsin

Structure:



Mol. Formula  
Source

$C_{22}H_{34}O_7$   
*Plectranthus Barbatus*  
(*Coleus Forskohlilii*)

Mol. Wt.

410.50

### Test

### Specification

|                           |              |                           |
|---------------------------|--------------|---------------------------|
| Identity                  | (USP <201>)  | IR, TLC, HPLC             |
| Appearance                |              | White microcryst. powder  |
| Particle Size             | (USP <786>)  | 100% pass through 40 mesh |
| Purity (hplc, area %)     |              | ≥ 98%                     |
| Assay (hplc)              | (USP 35)     | ≥ 95%                     |
| LOD                       | (USP <731>)  | ≤ 1%                      |
| Ash (residue on ignition) | (USP <561>)  | ≤ 0.5%                    |
| Residual Solvent          | (USP <467>)  | Conforms to ICH standards |
| Organic Impurities        | (USP <561>)  | ≤ 2%                      |
| Heavy metals              | (USP <231>)  | ≤ 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> |              |
|---|----------------------|--------------|
| <b>Pesticide Residue</b>                    | (USP <561>)          | Conforms     |
| <b>Aflatoxins</b>                           | (USP <561>)          | Conforms     |
| <b><u>Microbiological Specification</u></b> |                      |              |
| <b>Total Aerobic</b>                        | (USP <2021>)         | ≤1,000 cfu/g |
| <i>E. Coli</i>                              |                      | negative     |
| <i>Salmonella</i>                           |                      | negative     |
| <i>Staphylococcus aureus</i>                |                      | negative     |
| <i>Coliforms</i>                            |                      | negative     |
| <i>Pseudomonas</i>                          |                      | negative     |
| <b>Mold and Yeast</b>                       | (USP <2022>)         | ≤100 cfu/g   |

*Storage:* Maintain in cool, dry containment.