

CERTIFICATE OF ANALYSIS

Ligularinine

[**Catalog No.**] CFN00405

[**CAS No.**] 90364-90-2

[**Purity**] $\geq 98\%$

[**M.F**] $C_{18}H_{27}NO_5$

[**Physical Description**] Powder

[**Solvent**] Chloroform, Dichloromethane, Ethyl Acetate, DMSO, Acetone, etc.

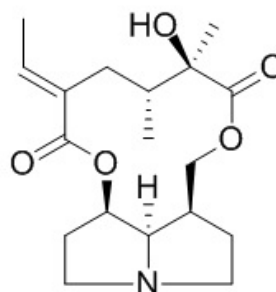
[**Weight**] 5mg

[**Lot No.**] CFS202102

[**Storage**] Protected from air and light, refrigerate or freeze(2-8 °C)

[**Intended Use**] For laboratory use only

[**Shelf Life**] 2 years



[**Chemical Structure**]

[**Characterization Data Summary**]

| Analytical Test | Results |
|---------------------------------------|-------------------------------------|
| Identification by ^{13}C -NMR, HPLC | Consistent with the above structure |
| Purity tested | $\geq 98\%$ |

Authorized Signature:

Date: