

## CERTIFICATE OF ANALYSIS

### Protopine

[ **Catalog No.** ] CFN99399

[ **CAS No.** ] 130-86-9

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

[ **M.F** ]  $C_{20}H_{19}NO_5$

[ **Physical Description** ] Powder

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

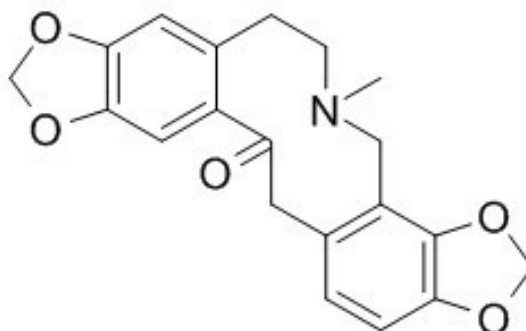
[ **Weight** ] 20mg

[ **Lot No.** ] CFS202202

[ **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 $^1H$ -NMR, HPLC	Consistent with the above structure
Purity tested	$\geq 98\%$

**Authorized Signature:**

**Date:**