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## **CERTIFICATE OF ANALYSIS**

Columbamine

[ Catalog No. ] CFN90581

[ CAS No. ] 3621-36-1

[ <u>Purity</u> ] >=98%

[ <u>M.F</u> ] C<sub>20</sub>H<sub>20</sub>NO<sub>4</sub>

[ Physical Description ] Powder

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

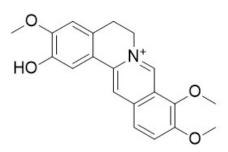
[ <u>Weight</u> ] 5mg

[ 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 <sup>1</sup> H-NMR, HPLC | Consistent with the above structure |
| Purity tested                              | >=98%                               |

## **Authorized Signature:**

Date:

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