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# Certificate of Analysis

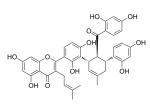
## Kuwanon K

| Cat. No.:      | HY-N11463  |  |
|----------------|--|--|
| CAS No.:       | 88524-66-7   |  |
| Batch No.:     | 313562   |  |
| Chemical Name: | 4H-1-Benzopyran-4-one, 2-[3-[(1S,5R,6S)-6-(2,4-dihydroxybenzoyl)-5-(2,4-dihydroxyphenyl)-3-m |  |
|                | ethyl-2-cyclohexen-1-yl]-2,4-dihydroxyphenyl]-5,7-dihydroxy-3-(3-methyl-2-buten-1-yl)-       |  |

### PHYSICAL AND CHEMICAL PROPERTIES

| Molecular Formula: | C <sub>40</sub> H <sub>36</sub> O <sub>11</sub>                     |
|--------------------|---|
| Molecular Weight:  | 692.71  |
| Storage:           | 4°C, protect from light   |
|                    | * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light) |

**Chemical Structure:** 



#### ANALYTICAL DATA

| Appearance:                  | Light yellow to yellow (Solid)  |
|------------------------------|---|
| <sup>1</sup> H NMR Spectrum: | Consistent with structure   |
| MS:                          | Consistent with structure   |
| Purity (HPLC):               | 98.07%  |
| Conclusion:                  | The product has been tested and complies with the given specifications. |
|                              |   |

Caution: Product has not been fully validated for medical applications. For research use only.

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