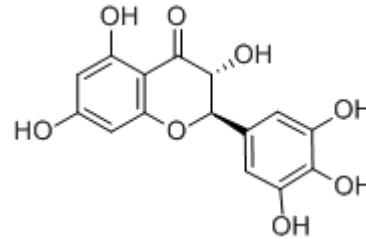


Introduction of Water Soluble Dihydromyricetin

Botanical source: exists in vitis, myricaceae, rhododendraceae, euphorbiaceae, garcinaceae and liuaceae ,especially in the grape vine tea [*Ampelopsis grossedentata*].



Dihydromyricetin

Appearance: yellow brown fine powder

Molecular weight: 320.25

Molecular formula: C₁₅H₁₂O₈

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Background and problem:

As we know dihydromyricetin has the effect of anti-alcoholism, anti-tumor and anti-oxidation. It belongs to flavones, which have the structure of 2-phenyl chromone. According to the characteristics of flavones, the water solubility is not good, which greatly affects the bioavailability of products. The water-solubility problem hinders the application of the products in the market of hangover drinks and health care oral liquid.

Solutions:

The professionals in Xi'an natural field bio-technique Co.,Ltd, tried with continuous efforts on study and experiment, found in the process of dihydromyricetin production, there exists water soluble dihydromyricetin. On the basis of the existing technical background, the technical personnels quickly isolate the water-soluble dihydromyricetin, which has excellent solubility. The purity tested out is above 40% and of yellow brown fine powder. At the same time, water soluble dihydromyricetin maintains the original dihydromyricetin taste. The launch of this product, attracted the customers' from functional beverage, health food enterprises great interest.

The picture of water solubility of dihydromyricetin 40%

Their solubility are 0.05g/50ml, 0.1g/50ml , 0.25g/50ml, 1.25g/50ml, 2.5g/50ml from left to right hand.



40% dihydromyricetin water solubility



40% dihydromyricetin powder