



陕西绿清生物工程有限公司

Shaanxi Green Bio-Engineering Co.,Ltd

Test method of Glabridin

1、 Chromatographic conditions

Method 1) chromatographic column: C18 column, 150 × 4.6mm (i.d), 5 μ m

Mobile phase: 2% acetic acid aqueous solution (volume ratio): acetonitrile (46:54) detection wavelength: 280nm

flow Speed: 1.0ml/min

Injection volume: 10 μ l

Column temperature: 30℃

2、 Preparation of reference solution

Take an appropriate amount of the reference substance, put it into a 10ml measuring bottle, add absolute ethanol to dissolve and dilute it to the scale, and prepare it 0.04mg/ml solution.

3、 Preparation of test solution

Weigh 0.02 ~ 0.03g of this product, accurately weigh and place it in a 50ml measuring bottle, add anhydrous ethanol to dissolve it completely by ultrasonic, dilute it to the scale with anhydrous ethanol, plug it tightly, shake it well, dilute it to the scale with anhydrous ethanol and shake it well.

4. Calculate

Sample content= $\frac{\text{Sample peak area} \times \text{reference substance concentration} \times \text{reference substance purity}}{\text{Reference substance area} \times \text{Sample quality}}$