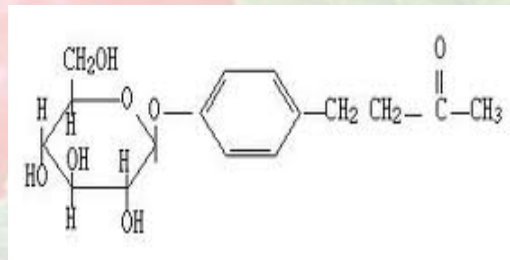


# SD-RKG Raspberryketone Glucoside

- **SD-RKG** is not only an effective inhibitor of tyrosinase, but also an effective scavenger of nitric oxide. SD-RKG easily dissolves in water. It is safe and stable. It effectively inhibit the formation of melanin, active oxygen and lipid peroxide. It also can capture the nitric oxide within skin cell. All of these make it a good whitening, brightening and anti-aging cosmetic ingredient.
- **INCI Name:** Raspberryketone Glucoside
- **pH(3%, 20°C):** 5.0-7.0



## Main features and efficacy

- ❖ Inhibiting the synthesis of melanin
- ❖ Inhibiting the generation of active oxygen
- ❖ Inhibiting the formation of lipid peroxidation
- ❖ Capture of nitric oxide
- ❖ Whitening and Brightening skin
- ❖ Anti-Aging

### MOLECULAR FORMULA:

C<sub>16</sub>H<sub>22</sub>O<sub>7</sub>

### MOLECULAR WEIGHT:

326.33

## Specification

|              |  |
|--------------|--|
| Appearance   | White crystal powder   |
| Solubility   | Dissolve in water, alcohol   |
| Safety       | No harm, no stimulation and no side-effect by long used.                   |
| Application  | Whitening, Anti-aging cream or lotion                                      |
|              | Formulate together with V-E, Sun screen ingredients to reach better effect |
| Ref Addiiton | 0.5~3%   |
| Shelf life   | 3 years  |



DISTRIBUTED BY

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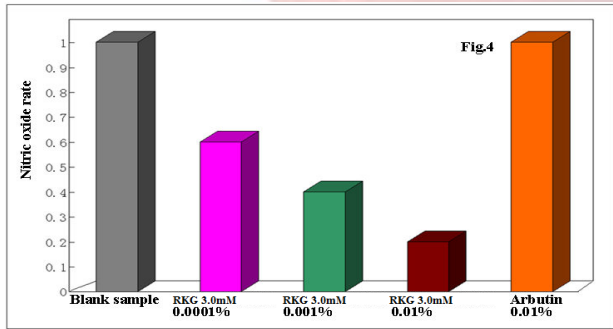
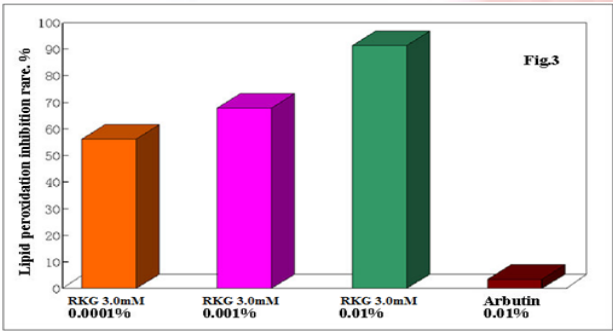
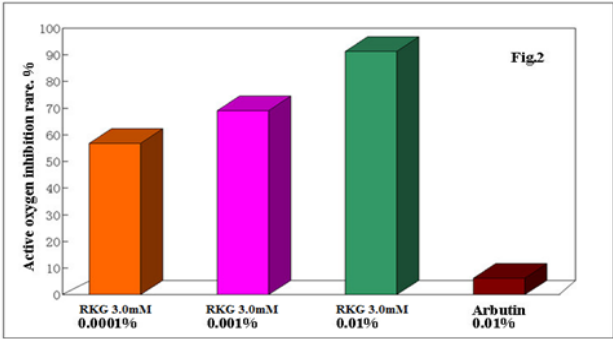
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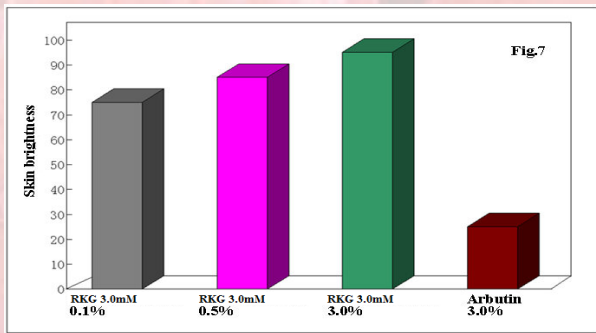
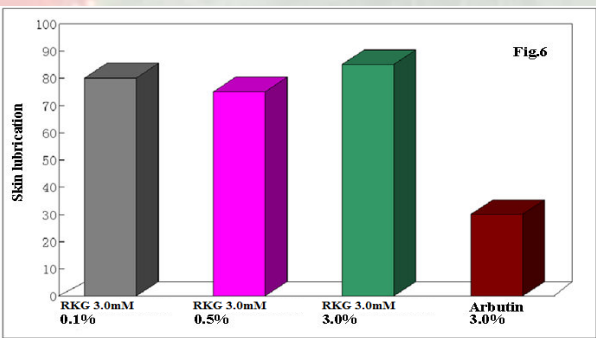
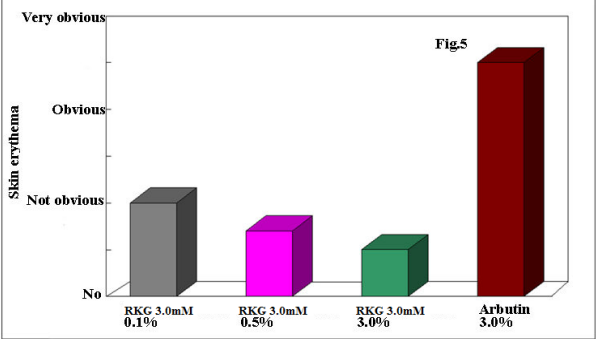
In-vitro tests show SD-RKG is much better than Arbutin in inhibition of active oxygen production (Fig 2), inhibition of lipid peroxidation (Fig 3) and capturing nitric oxide (Fig 4)

Test samples: different contents of RKG, 0.0001g/ml, 0.001g/ml, 0.01g/ml  
Compare samples: Arbutin, 0.01g/ml

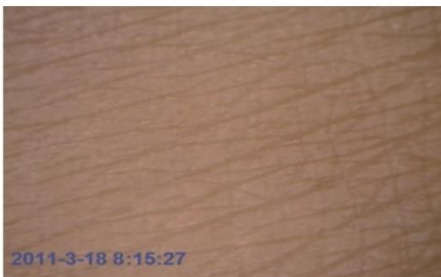


Clinical Trials shows SD-RKG has better efficacy than Arbutin in reducing erythema (Fig 5), skin lubrication (Fig 6) and skin brightness (Fig 7)

Test samples: different contents of RKG, 0.1g/ml, 0.5g/ml, 3.0g/ml  
Compare samples: Arbutin, 3.0g/ml



Before use Raspberry ketone Glucoside (0%)  
Pigment index 39



After use Raspberry ketone Glucoside (1%) for 60 days  
Pigment index 26