

4MSK

One new Whitening&Lightening ingredient is provided Rebtech
Hangzhou Rebtech Novel Material Co., Ltd.



INCI Name: Potassium Methoxysalicylate

CAS No.: 152312-71-5
MW.: 206.2
Formula: $C_8H_7KO_4$

Water soluble
Stable

Purity: more than 99.0%
Off-white or white powder

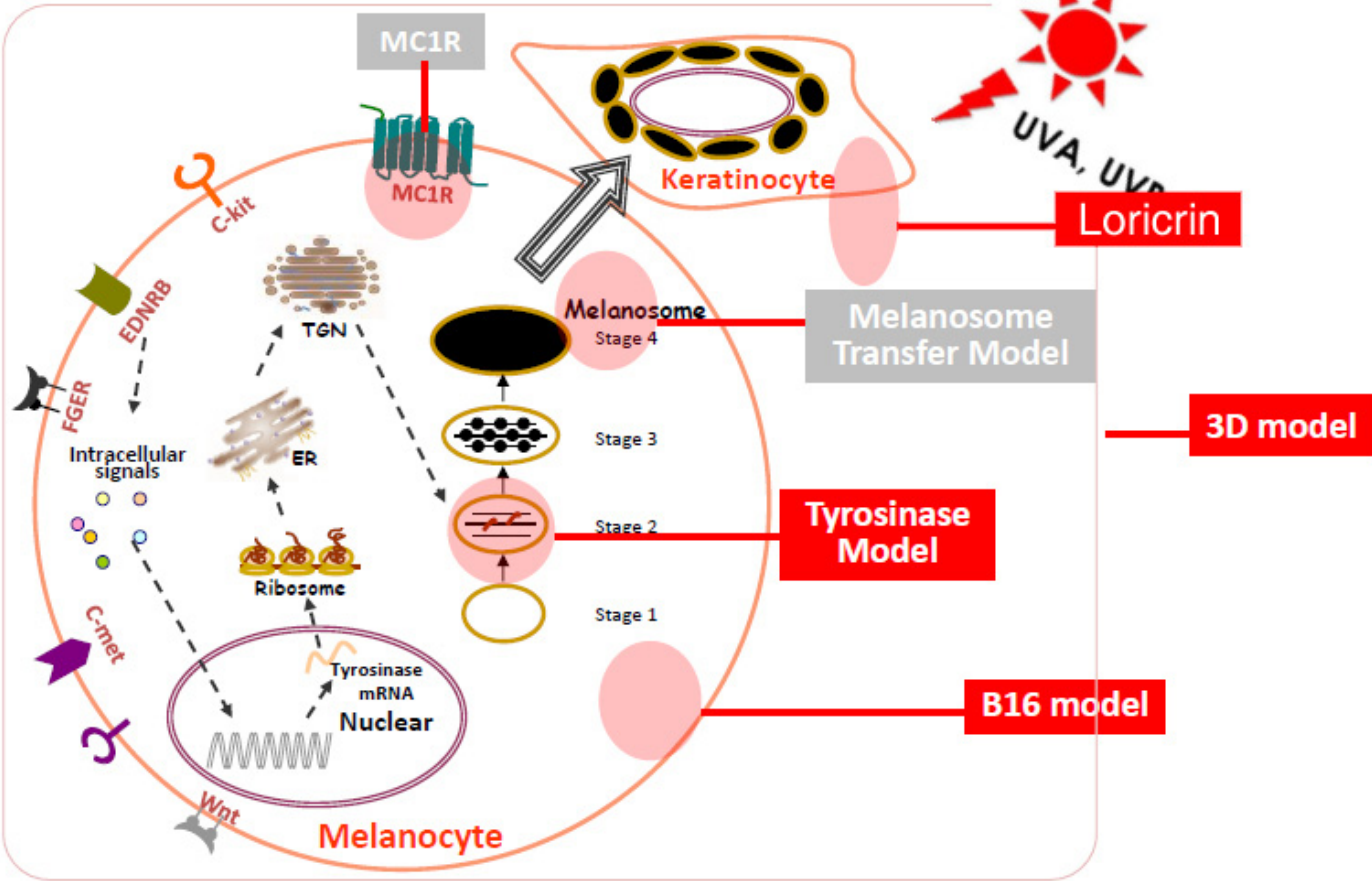


Dermatological function

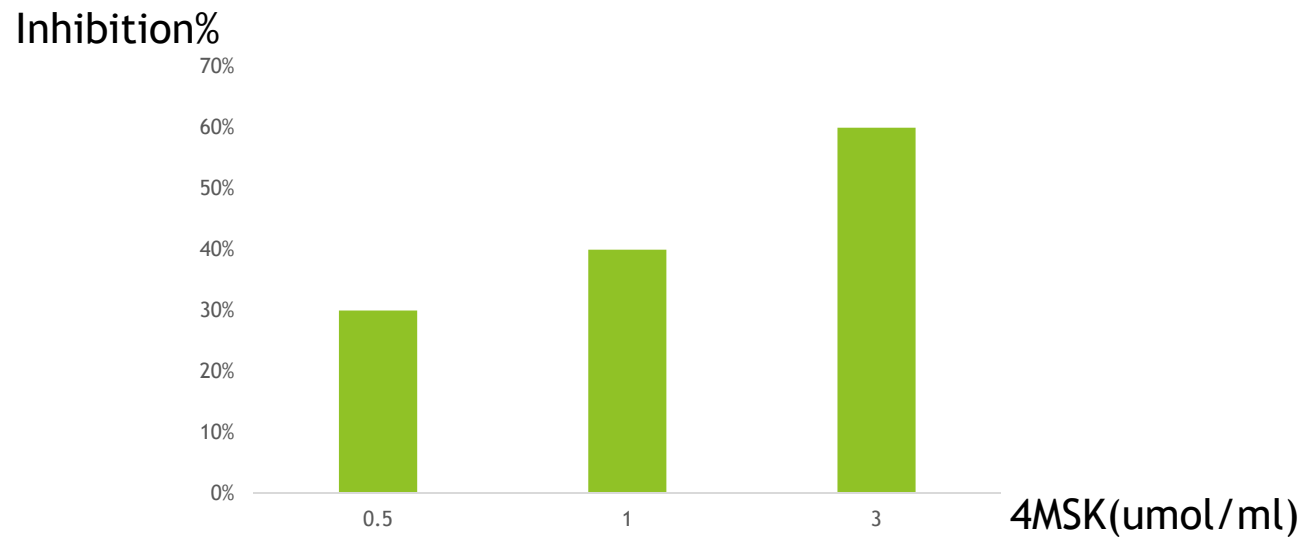
- ▶ Skin lightening & Balance skin tone
- ▶ Reduce dark spot & age spot
- ▶ Penetrate the epidermis easily and fastly



In vitro Models



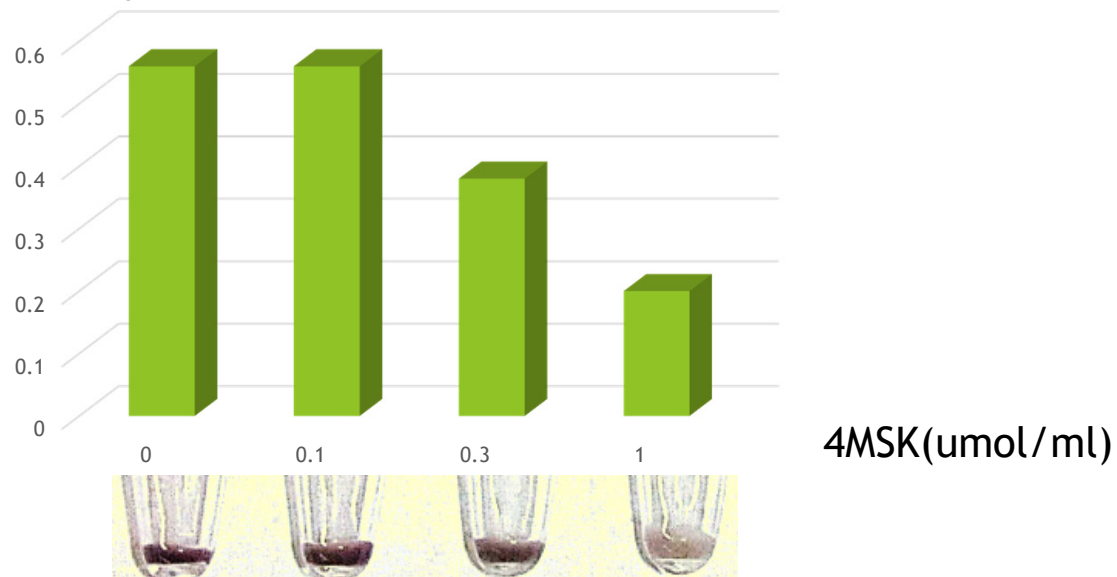
Efficacy Test: *In-vitro* Tyrosinase inhibition



Result: $3\mu\text{mol/ml}$ ($618\mu\text{g/ml}$) 4MSK can inhibit tyrosinase activity upto 60% in protein level.

Efficacy Test: *In-vitro* B16 melanin inhibition

Melanin content (OD475nm)



Result: 1umol/ml (206ug/ml) 4MSK can inhibit B16 melanin content upto 63.6% in protein level.

Stability Tests

- ▶ Heat-stability(45°C,60days)
color (Transmittance in 440nm)
purity (HPLC)
- ▶ Photo-stability(sunlight,30days)
- ▶ Buffer system and pH effect(45°C,90day and Room Temperature,90days)

Skin irritation

- ▶ Skin Irritancy Test by *In House Het-Cam test*
4MSK were found to be non-irritant at 5.0%
- ▶ Clinical Patch Test
4MSK were found to be non-irritant at 5.0%

Contact

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