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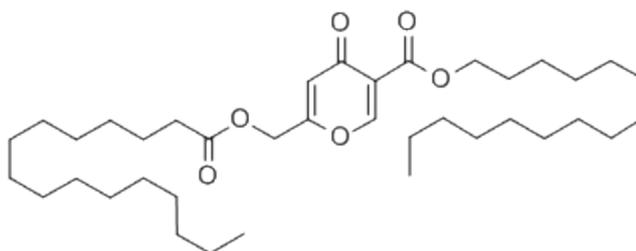
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Technical Data Sheet

Kojic acid dipalmitate

Product Information

| | |
|--------------------|---|
| Chemical Name | Kojic acid dipalmitate |
| CAS # | 79725-98-7 |
| Formula | C38H66O6 |
| Molecular Weight | 618.93 |
| Synonyms | KOJIC DIPALMITATE, KojicAcidDepalmitate |
| Chemical Structure | |



Description

Kojic dipalmitate is more efficacious than kojic acid in inhibiting the activity of tyrosinase present in human skin so as to inhibit the melanin formation and produce excellent effects in whitening skin and in anti-suntan. Kojic acid dipalmitate is oil soluble and is more easily absorbed into skin when it is incorporated into a cream as compared with kojic acid.

Physical Properties

| | |
|---------------------|---------|
| Melting point, °C . | 92-96°C |
|---------------------|---------|

Specification

| Item | Specification |
|----------------------------------|----------------------|
| Appearance | White sheet crystals |
| Assay | ≥98.0% |
| Loss on drying | ≤0.5% |
| Ignition residue | ≤0.5% |
| Color reaction of ferricchloride | Negative |

| | |
|-------------|--|
| Heavy metal | ≤10 ppm |
| Arsenic | ≤2 ppm |
| Pathogen | Bacteria:≤300cfu/g Fungus:≤100cfu/g |

Safety

May be harmful if absorbed through the skin.
Always refer to the Material Safety Data Sheet (MSDS)

Applications

Kojic Acid dipalmitate is widely used in whiten cosmetic applied as a skin lightening agent due to its potential to inhibit the enzyme tyrosinase. Tyrosinase is necessary for the synthesis of melanin, which offers skin its coloring.
Kojic Acid dipalmitate also has antibacterial, antifungal and antioxidant attributes. It can protect against fruits from turning brown and is also applied to preserve the pink and red shade of seafood.
Kojic Acid dipalmitate can also be used in antibiotic synthetic intermediate products, agriculture plant tutelage and chemical reagent,ect.

Packaging

25kg/fiber drum

Storage & Handling

Handling: avoids breathing dust, vapor, mist, or gas. Avoid contact with skin and eyes.
Storage: store in a cool, dry place. Store in a tightly closed container.

Please refer to the Materials Safety Data Sheet (MSDS) for the handling methods.

Always refer to the Material Safety Data Sheet (MSDS) for detailed information on handling and disposal.

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