

PRODUCT NAME

AC-KAD

DESCRIPTION

AC-KAD has an excellent property of inhibiting the activity of tyrosinase and delaying the melanogenesis so as to inhibit the melanin formation. It dissolves in hot alcohols, white oils and esters. It is compatible together with all kind of preservatives and sunscreen.

PRODUCT IDENTIFICATION

INCI Name: Kojic Dipalmitate

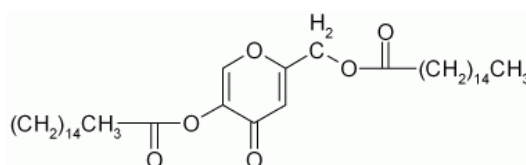
Chemical Name: 2-palmitoyloxymethyl-5-palmitoyloxy- γ -pyrone

CAS No.: 79725-98-7

Chemical Formula: $C_{38}H_{66}O_6$

Molecular Weight: 618.9

Chemical Structure:

**SPECIFICATION**

ITEMS	SPECIFICATION
Appearance	White or almost white crystalline powder
Assay	$\geq 98\%$
Loss on drying	$\leq 0.5\%$
Melting range	92.0-97.0 $^{\circ}C$
Ignition residue	$\leq 0.5\%$
Color reaction of ferric chloride	Negative
Heavy metals (as Pb)	$\leq 10\text{mg/kg}$
As	$\leq 2\text{mg/kg}$

STORAGE AND STABILITY

The product may be stored for 24 months from the date of manufacture in the unopened original container and at room temperature.

It should be protected from light, heat, oxygen and moisture. Keep container tightly closed. Once opened, use contents quickly.



APPLICATIONS

AC-KAD can be used in skin whitening/lightening and sunscreen product. It can produce excellent effects in even toning the skin, fighting age spots, pregnancy marks, freckles as well as general skin pigmentation disorders of face and body. It should be used at conditions of pH 5.0-8.0, the formulation is suggested to add oil soluble antioxidant.

DOSAGE

1.0-5.0%