[ Product Information ]

**Name:** Kaurenoic acid

**Catalog No.:** CFN97703

**Cas No.:** 6730-83-2

**Purity:** > 98%

**M.F:** C\textsubscript{20}H\textsubscript{30}O\textsubscript{2}

**M.W:** 302.46

**Physical Description:** Powder

**Synonyms:** Cunabic acid; Kaurane-16-ene-18-oic acid; (-)-Kaur-16-en-18-oic acid; ent-16-Kauren-19-oic acid.

[ Intended Use ]

1. Reference standards;
2. Pharmacological research;
3. Food and cosmetic research;
4. Synthetic precursor compounds;
5. Intermediates & Fine Chemicals;
6. Ingredient in supplements, beverages;
7. Others.

[ Source ]

The herb of *Ricinocarpus stylosus.*
[**Biological Activity or Inhibitors**]

Kaurenoic acid, a diterpene isolated from Copaífera langsdorffii oleo-resin, has cytotoxic and embryotoxic effects.[1]

Kaurenoic acid has anti-inflammatory potential in acetic acid-induced colitis, decreases in MDA level, an indicator of lipoperoxidation in colon tissue. [2]

Kaurenoic acid exerts a uterine relaxant effect acting principally through calcium blockade and in part, by the opening of ATP-sensitive potassium channels.[3]

Kaurenoic acid exhibits an analgesic effect in a consistent manner and that its mechanisms involve the inhibition of cytokine production and activation of the NO-cyclic GMP-protein kinase G-ATP-sensitive potassium channel signaling pathway.[4]

Kaurenoic acid derivatives has antimicrobial activity of substituted on carbon-15 at concentrations greater than or equal to 250 micrograms/ml.[5]

Kaurenoic acid has inhibitory effects on LPS-induced inflammatory response in RAW264.7 macrophages.[6]

[**Solvent**]

Chloroform, Dichloromethane, DMSO, Acetone, Methanol.

[**HPLC Method**][7]

Mobile phase: Acetonitrile-Phosphoric acid H2O(pH 3.0), gradient elution;

Flow rate: 1.0 ml/min;

Column temperature: 35 °C;

The wave length of determination: 210 nm.

[**Storage**]

2-8°C, Protected from air and light, refrigerate or freeze.
[ References ]


[ Contact ]

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