



**CAS Number:** 21662-09-9  
**FEMA Number:** 3264  
**FLAVIS Number:** 05.137; 05.096  
**GB Number:** Not approved

## APPLICATION

**Taste Description:** Strong, zesty, citrus peel, fresh cardamom.

**Flavor Use:** Has various applications in citrus flavors, especially orange, tangerine, grapefruit and yuzu. Also a great ingredient for cardamom, cilantro, ginger, Asian pear and some seafood flavors.

## DETAILS

**Molecular Weight:** 154.25  
**Molecular Formula:** C<sub>10</sub>H<sub>18</sub>O  
**Chemical Name:** Cis-4-Decenal  
**Suggested Use Level:** 1 PPB - 0.1 PPM

## SPECIFICATIONS

**Minimum Purity:** 98.0% (sum of isomers)  
• **Main Isomer:** 93.0% min. (cis)  
• **Secondary Isomer:** 0.1% - 6.0% (trans)  
**Appearance:** Colorless to slightly yellow liquid  
**Additives:** Synthetic alpha tocopherol @ 0.50%

## TECHNICAL

**Log P:** 3.55  
**Flash Point:** 185°F (CC)  
**Boiling Point:** 221.95°C (EPI 4.0)  
**Vapor Pressure:** 0.08 mmHg at 20°C  
**Solubility:** Insoluble in water; soluble in alcohol  
**Nature Identical:** Yes  
**Kosher:** Yes  
**Halal:** Yes

## NOTES

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