

# Nootkatone for flavor and fragrance



evenootkatone™  
pure innovation



**evenootkatone™**  
pure innovation  
for flavor  
and fragrance  
applications

sustainably produced with  
up to 98% purity



## Why evenootkatone?

By producing nootkatone via fermentation, rather than extracting it from the skin of grapefruits, Evolva's process allows nootkatone to be made in large amounts in a highly reproducible, contaminant free, sustainable and cost-effective manner.

## The importance of nootkatone

Nootkatone is an ingredient that is found naturally in grapefruit and certain other plants. It is responsible for the characteristic scent of grapefruit. Until now, its use has been limited in Flavor and Fragrance applications by its high cost in use, limited supply and product quality.

## Benefits of evenootkatone – more sustainable and cost-effective

- Traditional methods of producing nootkatone are inefficient. It takes thousands of kilograms of grapefruit to obtain a single kilogram of nootkatone.
- Evenootkatone is produced via fermentation, which is significantly more sustainable and cost effective

## Our nootkatone – The solution for common supply chain problems

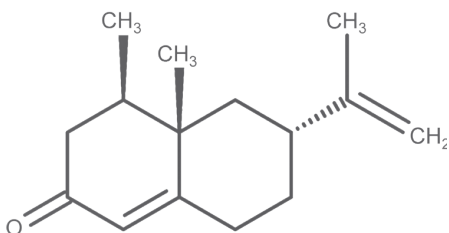
- **Availability:** no shortages created by weather conditions or crop cycles, predictable and reliable supply chain
- **Quality:** consistent quality with no batch-to-batch variations or seasonal differences
- **Cost-effective:** delivers the best value available in the market

## A versatile ingredient

With very consistent purities and sensory profiles, the range of evenootkatone products are well suited for a broad array of products where a defined citrus, woody, grapefruit profile is required.

## evenootkatone specifications

- Molecular Weight: 218.34 g/mol
- Appearance: Pale yellow to white solid
- CAS #: 4674-50-4
- Shelf life: 3 years



## Product Range

### Nootkatone 98%

Purity: >98%

### Nootkatone 85%

Purity: >85%

## Broad safety evaluations and regulatory approvals

- Approved food flavor
- Approved as a fragrance ingredient

## Approved Flavor & Fragrance

- USA (21 CFR 172.515); FEMA-GRAS 3166
- Europe (Regulation (EU) 872/2012; Council of Europe number: 11164)
- Worldwide (JECFA, No 1398)
- Approved as a fragrance ingredient (IFRA; Regulation (EC) 1223/2009)

## Safety Data

- No sensitization observed in humans with high purity (>98%) nootkatone
- Non-carcinogenic (NTP, IARC, OSHA)
- Non-genotoxic (EFSA)



## For more information

Email: [noot@evolva.com](mailto:noot@evolva.com)

Evolva (U.S.A./R.O.W.): +1.800.250.1032

Evolva (Europe/R.O.W.): +41.61.485.2099

[evolva.com/evenootkatone/](http://evolva.com/evenootkatone/)

## About Evolva

Evolva is a Swiss biotech company focused on the research, development and commercialization of products based on nature. We have leading businesses in Flavors and Fragrances, Health Ingredients and Health Protection. Evolva's employees, half of which are women, are dedicated to make the best products that can contribute to health, wellbeing and sensory enjoyment.

Find out more at [www.evolva.com](http://www.evolva.com)

This information is based on Evolva's current knowledge and only contains scientific and technical information for business to business use in the EU. The documentation has not been reviewed by health authorities. Evolva makes no representation or warranty of the accuracy, reliability, or completeness of the information and as to results to be obtained. Use of this information shall be at your discretion and risk. It does not relieve you of your obligations to comply with all applicable laws and regulations and to observe third party rights. Nothing herein relieves you from carrying out your own suitability determinations and tests including the stability testing of the finished product. Country or region-specific information should also be considered when labeling or advertising to final consumers. The content of this document is subject to change without further notice. All trademarks listed on this brochure are either registered trademarks, or trademarks of Evolva in Switzerland and/or other countries.

# EVOLVA