

Valencene for flavor and fragrance



evevalencene[™]
pure innovation



evevalencene,TM
pure innovation
for flavor
and fragrance
applications

sustainably produced with
up to 94% purity



Why evevalencene?

By producing valencene via fermentation, rather than extracting it from orange peel oil, Evolva's process allows valencene to be made in large amounts in a highly reproducible, sustainable and cost-effective manner.

The importance of valencene

Valencene is an aroma ingredient found in the peel of oranges and in certain other plants. It is responsible for the characteristic smell of oranges. Until now, its use has been restricted by its high cost, limited supply and inconsistent product quality.

Benefits of evevalencene – more sustainable and cost-effective

- Traditional methods of producing valencene are inefficient. It takes thousands of kilograms of oranges to obtain a kilogram of valencene.
- Sourcing valencene from fruit is neither sustainable nor economical, and is consequently cost prohibitive

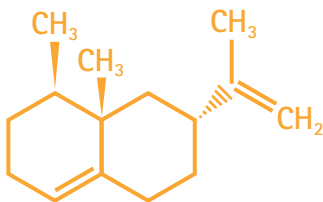
Our valencene – The solution for common supply chain problems

- **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

Valencene is a key ingredient in driving consumer preference across a broad range of products, including food and beverage, fragrances, personal care and home care products.

evevalencene



Product range

We manufacture our valencene using a unique and patented fermentation process. This is followed by further purification to tailor the specific properties, taste and aroma profiles of each product.

- **Valencene 94%** is Evolva's highest purity natural valencene to meet the EU Flavor regulation (EC) No. 1334/2008's purity of a minimum 94% valencene. Valencene at this purity level has historically not been available due to technical constraints. Evolva's expertise in the production of valencene and skilled processing techniques have resulted in this high-purity fresh citrus valencene now accessible to the market.
- **Valencene 80%** is Evolva's high quality valencene with a clean fresh, slightly fruity profile with some woody after notes. Valencene 80% is an affordable, readily available and consistent quality product which is a perfect alternative to materials made from citrus.
- **Valencene D has been created to a minimum purity of ≥ 70%** Further purification of our valencene N creates the unique taste and aroma profile. This product has been developed specifically for application in new products where a more definitive and refined woody background profile is required.
- **Valencene T has been created to a minimum purity of ≥ 65%** This product has a sweet, orange, woody, citrus profile, created by Evolva for use as an affordable alternative to valencene derived from citrus.
- **Valencene N has been created to a minimum purity of ≥ 60%** This product has the very raw and robust profile of a material taken directly from the fermentation process with minimum purification. The raw nature of valencene N makes it an ideal and cost-effective material designed solely for further conversion into nootkatone.



For more information

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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

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