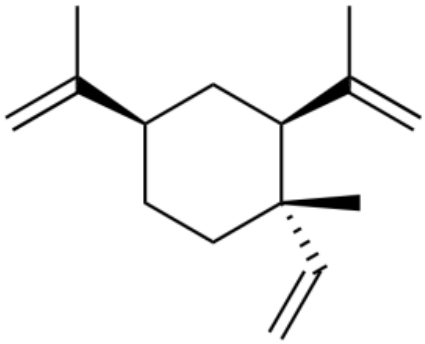
Breakthrough in the availability of the bio-based building block beta-Elemene Pure™



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Breakthrough in the availability of the bio-based building block beta-Elemene Pure™

Isobionics has developed 95% pure, natural beta-Elemene with a 10-fold reduction in cost

Beta-Elemene is a natural ingredient which occurs in the food, beverage and flavour & fragrance industries and is now available on a commercial scale. Compared to conventional beta-Elemene, which is produced from herbs, it offers the advantages of a purity that exceeds 95%, a quality that is consistent and a 10-fold reduction in cost.

Toine Janssen, CEO Isobionics says: "Our bio-based, natural beta-Elemene Pure™ is a genuine breakthrough since we're the first company in the world that has succeeded in bringing this natural ingredient to the market. To accomplish this we use a proprietary fermentation process.

Currently, Isobionics is the only company in the world that offers beta-Elemene Pure™ produced by fermentation." Isobionics has succeeded in isolating the building block beta-Elemene Pure™ with a purity exceeding 95%. Normally the purity of conventional beta-Elemene is around 80%.

The sustainable production process ensures consistent quality and provides the possibility to deliver large quantities. It is a process based on renewable resources that enables Isobionics to realize a considerable cost reduction which is reflected in the sales price.

Beta-Elemene is a constituent that occurs in citrus fruit as well as in 50 plants and herbs. It is mainly extracted from Curcuma Wenyujin (Ginger root). The traditional process for the isolation of beta-Elemene is very labour intensive and additionally requires a lot of processing. Further, the original product is harvest-dependent and therefore quality is not consistent. Isobionics offers the market the opportunity to develop additional and new applications, with possibilities in the food, beverage and flavour & fragrance industries. Furthermore, beta-Elemene is well known in the pharmaceutical industry.