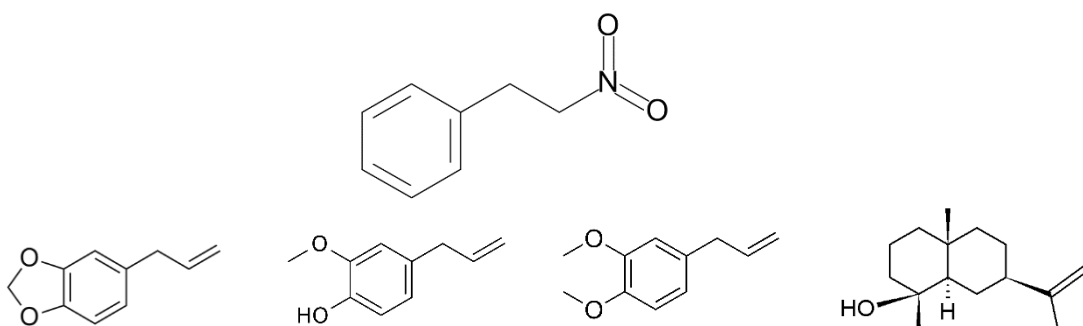


Preciosa tree Oil

The tree this oil is extracted from is a rosewood species (*Aniba canelilla*) that grows in the Amazon region of South America (mainly in the states of Pará and Amazonas in Brazil). It is unique in a sense that its bark and leaves contain very high amounts of 1-nitro-2-phenylethane. This compound is found in trace quantities in other plants (eg. Madagascar jasmine, orange flower, pepper fruit) but in the oil of this tree it is found up to 90 %!



Other than 1-nitro-2-phenylethane this brownish-yellow oil also contains smaller amounts of safrole, eugenol, methyl eugenol, selin-11-en-4 α -ol, α - and β -pinene, phenylacetaldehyde and benzaldehyde among others.¹⁻² The main constituent has a strong cinnamon-like scent, hence the name of the tree "little cinnamon" (canelilla).



Health effects:

- anti-fungal (proven against *Candida albicans*)¹
- hypotensive³
- anxiolytic⁴
- anti-convulsant⁴
- pain suppressor
- beneficial against arthritis

Safety:

Results of LD₅₀ studies with mice have shown that the oil was safe even at the highest applied dose (800 mg/kg) therefore it can be considered non-toxic and safe to use.¹

Applications:

The oil is used by the fragrance industry in perfumes and it is extensively used by the locals in folk medicine.

¹ Oger J.M., Richomme P., Guinaudeau H., Bouchara J.P., Fournet Alain. Aniba canelilla (H.B.K.) mez essential oil : analysis of chemical constituents, fungistatic properties. *Journal of Essential Oil Research*, **1994**, 6, 493-497. ISSN 1041-2905

² Essential oil composition of leaf and fine stem of Aniba canelilla (Kunth) Mez from Manaus, Brazil. *Acta Amazonica*, **2004**, 34 (2) (http://www.scielo.br/scielo.php?script=sci_arttext&pid=S0044-59672004000200019)

³ de Siqueira RJ1, Macedo FI, Interaminense Lde F, Duarte GP, Magalhães PJ, Brito TS, da Silva JK, Maia JG, Sousa PJ, Leal-Cardoso JH, Lahlou S.. 1-Nitro-2-phenylethane, the main constituent of the essential oil of Aniba canelilla, elicits a vago-vagal bradycardiac and depressor reflex in normotensive rats. *European Journal of Pharmacology*, **2010**, 638 (1-3), 90-98.

⁴ Idris Ajayi Oyemitan, Christianah Abimbola Elusiyan, Moses Atanda Akanmu, Tiwalade Adewale Olugbade. Hypnotic, anticonvulsant and anxiolytic effects of 1-nitro-2-phenylethane isolated from the essential oil of *Dennettia tripetala* in mice. *Phytomedicine*, **2013**, 20 (14), 1315-1322.