

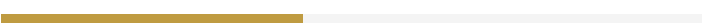
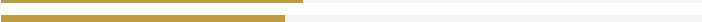
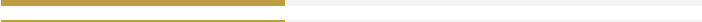
GC-MS Reference Composition Profile

Product Name	Angelica Root
Botanical Name	Angelica archangelica
INCI Name	Angelica Archangelica Root Extract
Country of Origin	France
CAS Number	84775-41-7
EC / EINECS Number	283-871-1
Lot Number	5731401
Analytical method	Quantitative compound concentrations are based on published scientific research and expressed in mg/g rather than chromatographic area percentages. These values provide useful information about the botanical's chemical composition. Natural variations may occur depending on geographical origin, growing conditions, and extraction methods. The data is provided for technical reference and does not represent batch-specific analysis of this product.
Profile Type	The chemical composition data is supported by published scientific research on Angelica Root using supercritical CO ₂ extraction. These reference values provide valuable insight into the botanical's natural constituents. Variations in composition may occur due to geographical origin, harvesting conditions, and extraction methods. The data is provided for technical reference and does not represent batch-specific testing of this product. Source: Korpinen et al. (2021), Molecules, 26, 7121, Table 3 (CC BY 4.0).

Composition Overview

Reference constituent distribution

Research concentrations in mg/g; bars compare values and do not represent area percentages or a chromatogram.

Osthole		11.4 mg/g
Pentadecalactone		7 mg/g
Unknown monoterpenoid		6.6 mg/g
trans-Chrysanthenyl acetate		5.8 mg/g
Unknown macrocyclic lactone		4.9 mg/g
Bornyl acetate		4.6 mg/g
alpha-Copaene		4.6 mg/g

Top Compounds

Compound	mg/g
Osthole	11.4
Pentadecalactone	7
Unknown monoterpenoid	6.6
trans-Chrysanthenyl acetate	5.8
Unknown macrocyclic lactone	4.9
Bornyl acetate	4.6
alpha-Copaene	4.6

Composition Table

No.	RT (min)*	Compound	mg/g / Range
1	10-14	p-Cymene	4
2	10-15	beta-Phellandrene	3.8
3	13-19	(+)-Camphor	4.5
4	18-25	Bornyl acetate	4.6
5	18-25	trans-Chrysanthenyl acetate	5.8
6	N/A	Unknown monoterpenoid	6.6
7	21-29	alpha-Copaene	4.6
8	35-50	Pentadecalactone	7
9	N/A	Unknown macrocyclic lactone	4.9
10	30-45	Osthole	11.4

* Reference retention times are reproduced only when supplied in the source; no retention time is estimated. Reference rows do not establish batch composition.

Information basis

The chemical composition presented is based on published scientific reference data, providing valuable insight into the naturally occurring constituents of this essential oil. Retention times, where provided, are reference values. As with all pure botanical extracts, natural variations in composition may occur between harvests and production batches. This information is provided for technical reference and does not represent laboratory testing of this specific batch.