

Radix Angelica Sinensis

Dang Gui or 当归

Angelica is a type of about 60 species of tall biennial and perennial herbs in the Apiaceae family. It can be found in temperate and subarctic regions of the Northern Hemisphere, reaching as far north as Iceland and Lapland. They grow to 1–3 m tall, with large bipinnate leaves and large compound umbels of white or greenish-white flowers. Some species can be found in purple moor and rush pastures. It has a strong fragrance, being sweet, pungent and slightly bitter.

Ferulic acid or hydroxycinnamic acid is an abundant phenolic phytochemical found in plant cell wall components such as arabinoxylans as covalent side chains. It is related to trans-cinnamic acid. As a component of lignin, ferulic acid is a precursor in the manufacture of other aromatic compounds.

Ligustilide is an abundant bioactive ingredient believed to have anti-oxidant properties.

Radix Angelica

Chromolith® RP-18 endcapped

Chromatographic Conditions

Column: Chromolith® Performance RP-18 endcapped 100x4.6mm

1.02129.0001

Injection: 5 µL

Detection: UV 278 nm

Flow Rate: 3.0 mL/min

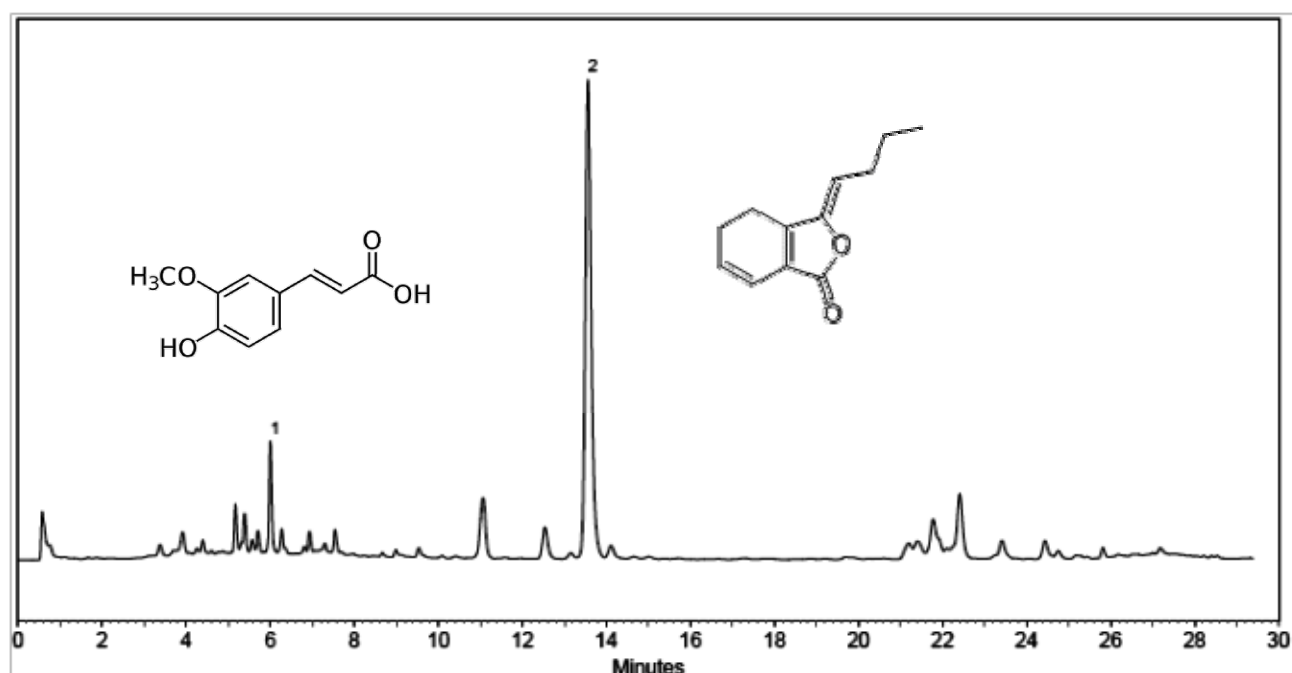
Mobile Phase: A: Acetonitrile
B: 0.1 % phosphoric acid

Temperature: Ambient

Diluent: Mobile phase

Sample: Alcohol extract of roots

Time (min)	% A	% B
0	5	95
1	5	95
6	32	68
16	43	57
24	60	40
26	90	10



Chromatographic Data

No.	Compound	Time (min)	T _{USP}	Resolution
1	Ferulic acid	6.1	1.1	-
2	Ligustilide	13.7	1.2	-