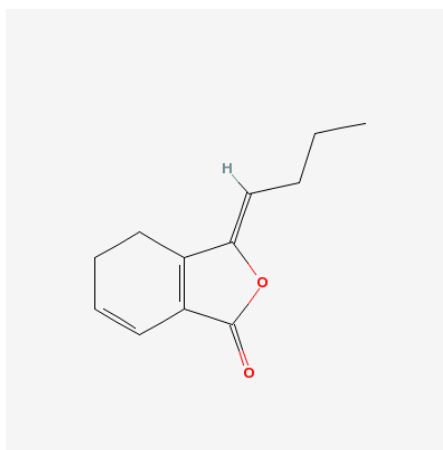


Ligustilide

Product ID: PCM-O-031
Marker For: *Angelica archangelica L.*
Name: Ligustilide
IUPAC Name: (3Z)-3-butylidene-4,5-dihydro-2-benzofuran-1-one
CAS Number: 4431-01-0



Structure:
Molecular Formula: C₁₂H₁₄O₂
Molecular Weight: 190.23836 [g/mol]
Boiling Point:
Solubility: Respectively soluble in Alcohol, Methanol, Benzene, Chloroform, Aether. Insoluble in Acetone, Water.
Character: Not stable for Light, Oxygen, Heat.

Storage Condition:

Package: Brown glass bottle
Storage: -18°C with good seal. Vacuum drying with P₂O₅ for 12 hours before using.

Analytical Results:

Test	Specificaiton	Result
HPLC	NA	99.02%
Mass Spectrum	Conforms	Conform

Analysis Conditions:

Intrument: Agilent 1100 Series LC
Column: Agilent C-18 250*4.6mm 5μ
Column Temperature: 25°C
Mobile Phase: Methanol-Water 70-30
Flow Rate: 1.0ml/min
Detection: 273nm

HPLC Chormatogram of Ligustilide: