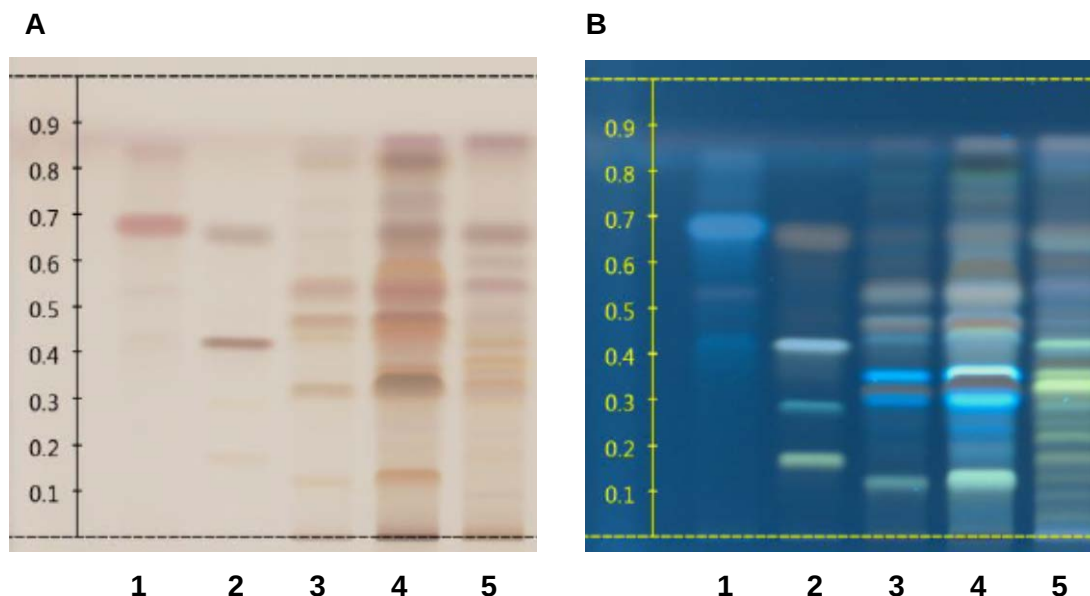


***Antrodia camphorata* Fruiting Body – Identification**

Thin-Layer Chromatography



Typical HPTLC Chromatograms

These chromatograms are supplied for information only

Track assignment: 1) demethyl antroquinonol, demethoxy anthroquinonol, antroquinonol (increasing R_F) (1.0 mg/mL); 2) ganoderic acid C2, ganoderic acid A, ganodermanontriol, ergosterol (increasing R_F) (1 mg/mL); 3) *Antrodia camphorata* extract; 4) *Antrodia camphorata* powder; 5) *Ganoderma lucidum* Fruiting Body (100 mg/mL)

Sample solutions: according to the monograph

Standard solutions: in methanol

Plate: HPTLC, Si 60 F₂₅₄, 5 µm (pre-develop the plate in methanol and dry at 105° for 30 min)

Application volume: 2 µL standard solutions, 10 µL extract solution, 5 µL sample solutions, as 8-mm bands

Relative Humidity: about 33%

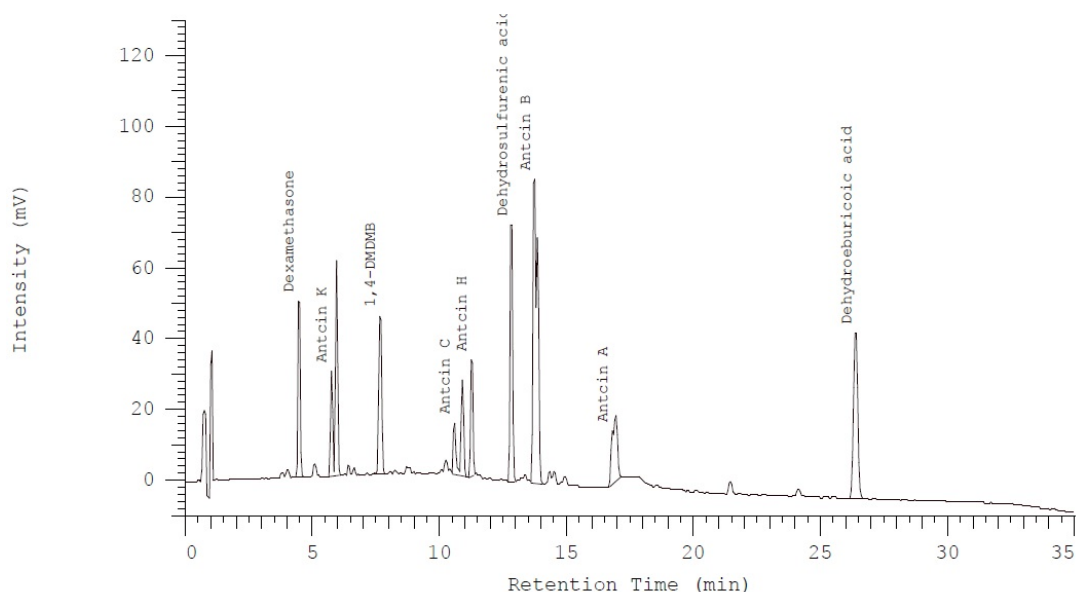
Developing solvent system: toluene, ethyl formate, and formic acid (5:5:0.2)

Developing distance: 7 cm

Derivatization reagent: a solution of 10% sulfuric acid in methanol

Detection: derivatize, heat at 105° for 5 min, and examine under (A) visible light, (B) UV light at 365 nm

UHPLC (Triterpenoids)



Representative chromatogram of Content of Triterpenoids in *Antrodia camphorata* Fruiting Body
This chromatogram is supplied for information only

Solutions preparation: according to the monograph

Detector: UV, 248 nm

Column: 2.1-mm × 10-cm; 1.8 μm packing L1 (similar to ACQUITY UPLC HSS T13)

Column temperature: 40°

Flow rate: 0.3 mL/min

Injection volume: 5 μL

Solution A: 0.1% formic acid in water

Solution B: acetonitrile

Mobile phase: see *Table 1*

Table 1

Time (min)	Solution A (%)	Solution B (%)
0	70	30
7.5	50	50
10.8	40	60
13.8	35	65
16.8	32	68
18.5	25	75
30.6	15	85
35.6	0	100
35.7	70	30
38.0	70	30