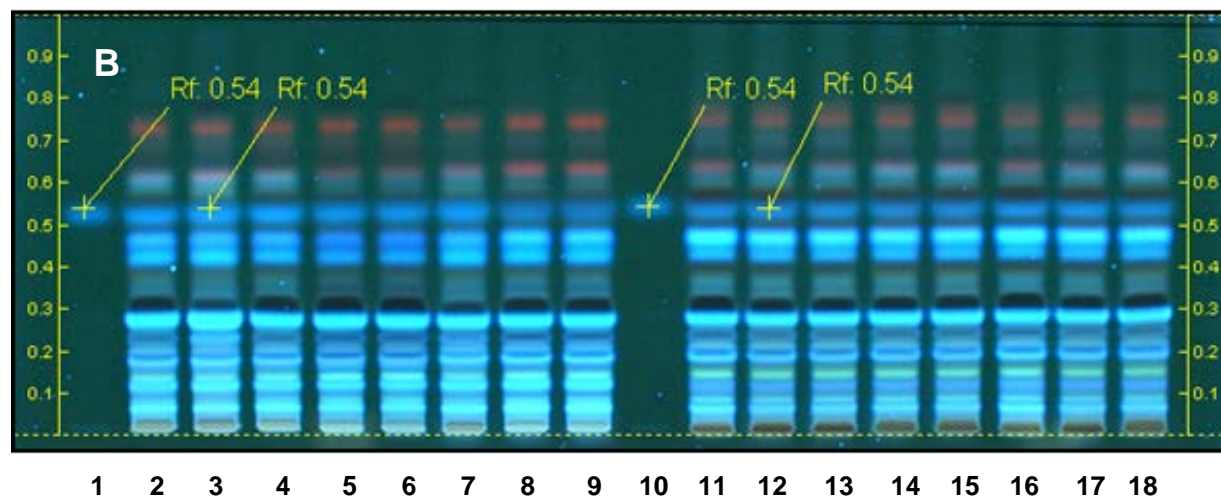
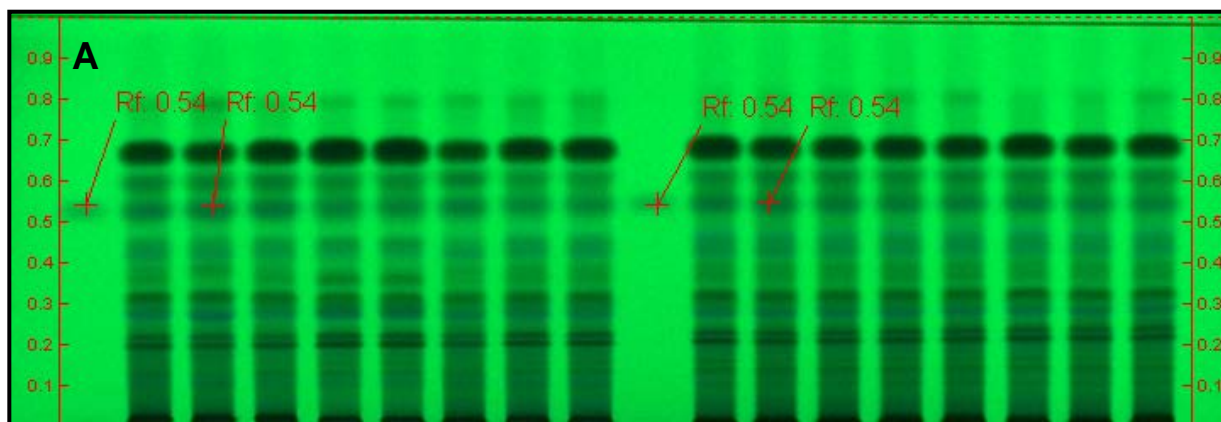


***Cullen corylifolium* Fruit – Identification**

High-Performance Thin-Layer Chromatography



Typical HPTLC Chromatogram

These chromatograms are supplied for information only

Track assignment: 1), 10) Psoralen; 2-9), *Cullen corylifolium* Fruit, 11-18) *Cullen corylifolium* Fruit Extract.

Sample solutions: according to the monograph

Standard solutions: in methanol

Plate: HPTLC, Silica gel 60 F₂₅₄, 5 μm

Application volume: 5 μ L for standard solution, 5 μ L for plant sample solution as 6-mm bands

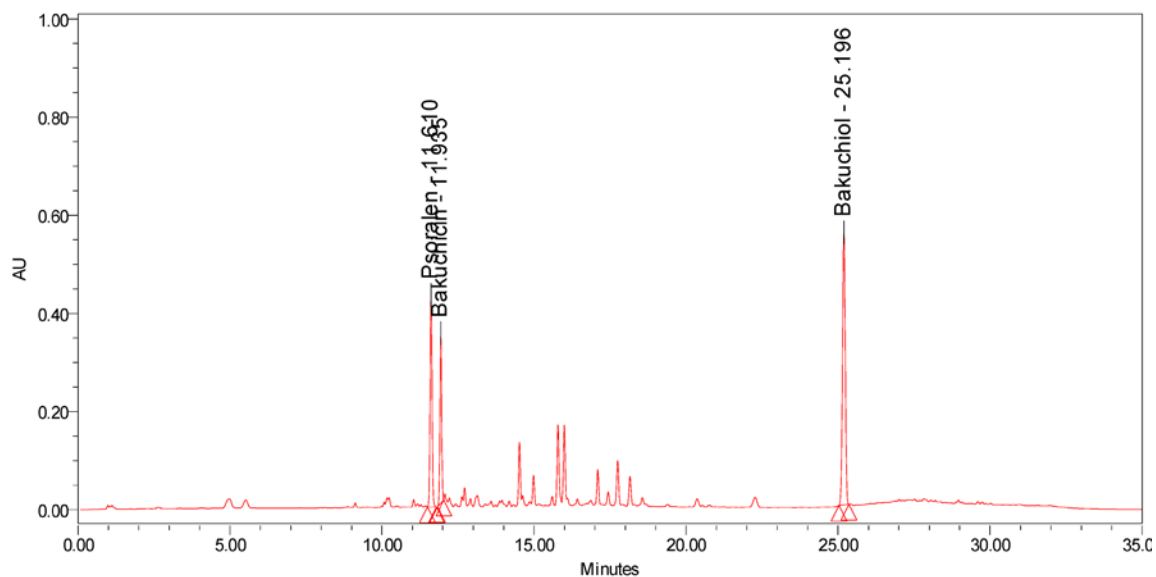
Relative Humidity: about 33%

Developing solvent system: toluene, ethyl acetate, formic acid (80:18:2)

Developing distance: 6 cm

Detection: examine under UV 254 nm (A) and 365 nm (B)

HPLC (Psoralen, Bakuchicin, Bakuchiol)



Representative chromatogram of Content of Coumarins and Bakuchiol in *Cullen corylifolium* Fruit

This chromatogram is supplied for information only

Solution preparation:	according to the monograph
Mode:	HPLC
Detector:	UV, 290 nm
Column:	4.6-mm × 10-cm; 2.7 μm packing L1
Column temperature:	40°
Flow rate:	1.0 mL/min
Injection volume:	10 μL
Solution A:	0.1% trifluoroacetic acid in water
Solution B:	0.1% trifluoroacetic acid in acetonitrile
Mobile phase:	see <i>Table 1</i>

Table 1

Time (min)	Solution A (%)	Solution B (%)
0	90	10
5	85	15
8	70	30
15	40	60
22	40	60
25	10	90
30	10	90
32	90	10
35	90	10