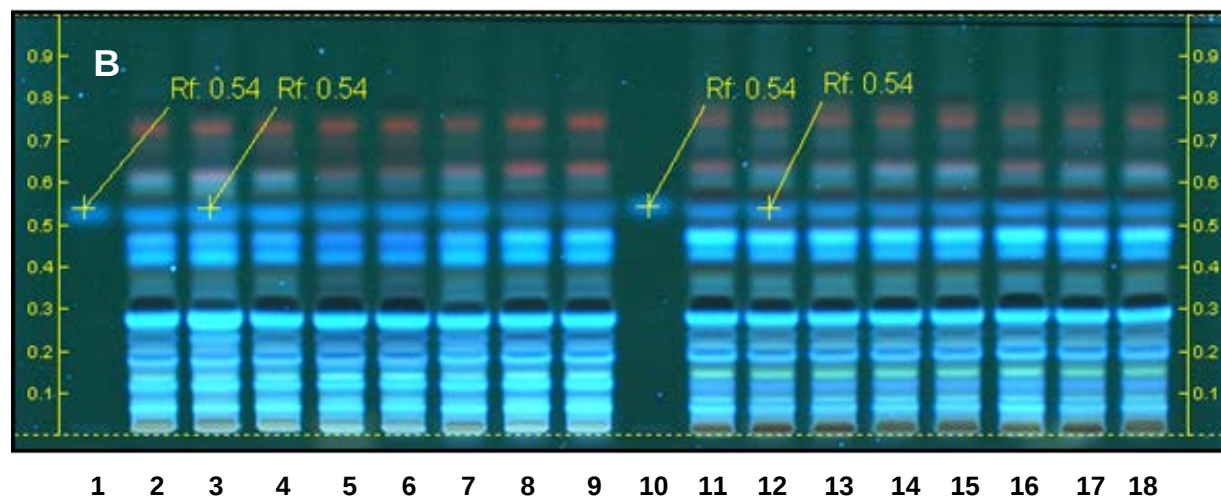
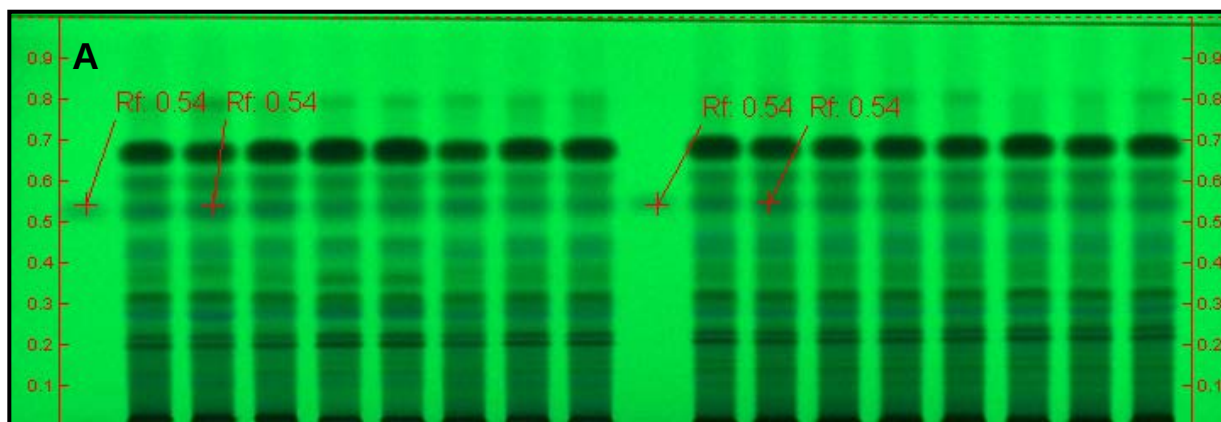


Cullen corylifolium Fruit – Identification

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.

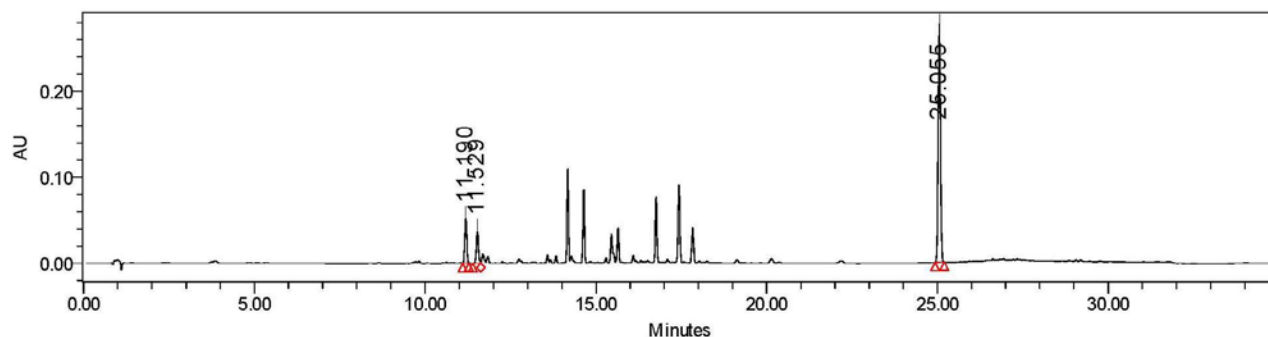
Sample solutions: according to the monograph

Standard solutions: in methanol

Plate: HPTLC, Silica gel 60 F₂₅₄, 5 µm

Application volume:	5 µL for standard solution, 5 µL 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



Representative chromatogram of Content of Psoralen 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