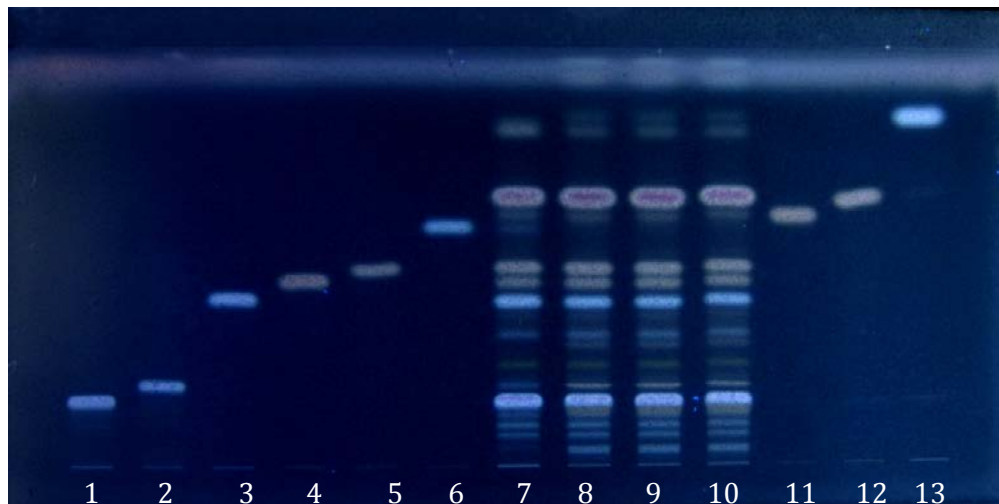


***Panax notoginseng* Root and Rhizome — Identification**

Thin-Layer Chromatography



Typical HPTLC Chromatograms

These chromatograms are supplied for information only

Track assignment: 1) ginsenoside Rb1 (1.3 mg/mL); 2) ginsenoside Rb2 (0.7 mg/mL); 3) ginsenoside Rd (0.5 mg/mL); 4) ginsenoside Re (1.0 mg/mL); 5) notoginsenoside R1 (0.7 mg/mL); 6) ginsenoside Rg3 (0.5 mg/mL); 7) *Panax notoginseng* Root and Rhizome powdered extract, commercial sample (5 mg/mL); 8-10) *Panax notoginseng* Root and Rhizome, commercial samples; 11) ginsenoside Rg2 (0.5 mg/mL); 12) USP Ginsenoside Rg1 RS (1.3 mg/mL); 13) ginsenoside Rh2 (0.9 mg/mL)

Sample solutions:	according to the monograph
Standard solutions:	in methanol
Plate:	HPTLC, Si 60
Saturation time:	20 minutes
Application volume:	2 μ L, as 8-mm bands
Relative Humidity:	about 33%

Temperature: 25°

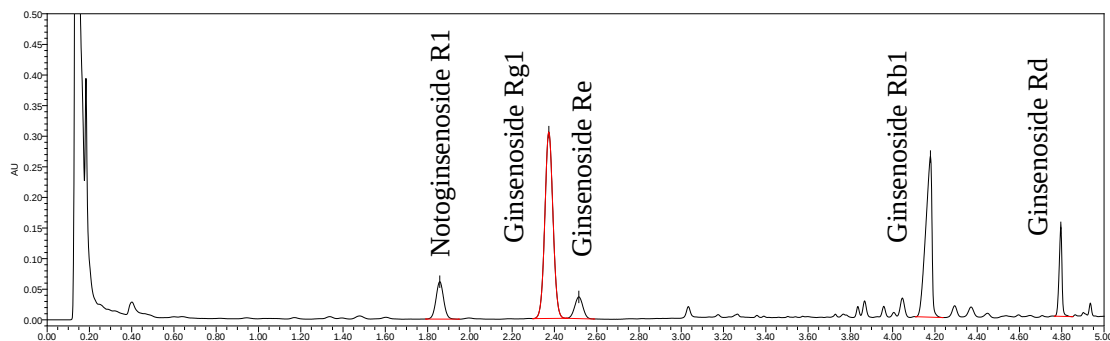
Developing solvent system: chloroform, alcohol, and water (60:45:6.5)

Developing distance: 6 cm

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

Detection: derivatize, heat at 105° for 10 min, and examine under UV light at 366 nm

UHPLC (Saponins)



Representative chromatogram of Content of Saponins in *Panax Notoginseng* Root and Rhizome
This chromatogram is supplied for information only

Solutions preparation: according to the monograph

Detector: UV, 203 nm

Column: 2.1-mm × 5-cm; 1.7-μm packing L1 (similar to Kinetex™ C18)

Column temperature: 30°±1

Flow rate: 0.8 mL/min

Injection volume: 5 μL

Solution A: 0.03% phosphoric acid in water

Solution B: acetonitrile

Mobile phase: see *Table 1*

Table 1

Time (min)	Solution A (%)	Solution B (%)
0	83	17
2.4	80	20
3.5	70	30
4.2	69	31
5.0	58	42
5.1	0	100
6.0	0	100
6.1	83	17
7.5	83	17