

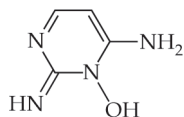
Aminexil and Minoxidil

IUPAC NAME

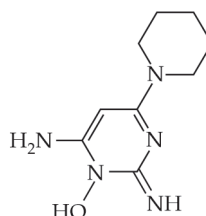
Aminexil: Diaminopyrimidine oxide

Minoxidil: 2,4-pyrimidinediamine, 6-(1-piperidinyl)-, 3-oxide

STRUCTURE



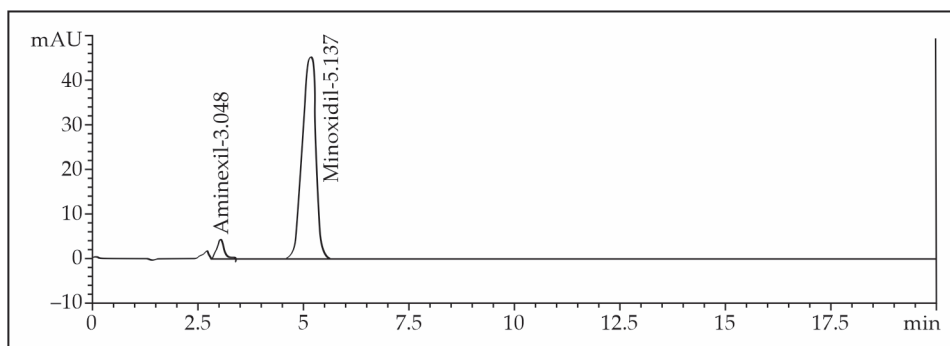
Aminexil



Minoxidil

CHROMATOGRAPHIC CONDITIONS

Column	Waters C18, 250 mm × 4.6 (5 µ)
Mobile phase	Methanol:n-Heptane sulphonic acid sodium salt buffer (8.75 g sodium salt of n-heptane sulphonic acid in 1000 ml water):Glacial acetic acid (60:38:2)
Detector	254 nm
Column temperature	30°C
Diluent	Methanol
Flow	1.0 ml/ min
Run time	20 minutes
Retention time (minutes) (approx.)	Aminexil: 3.04 Minoxidil: 5.13
Injection volume	10 µl

HPLC CHROMATOGRAM**MARKETED FORMULATIONS**

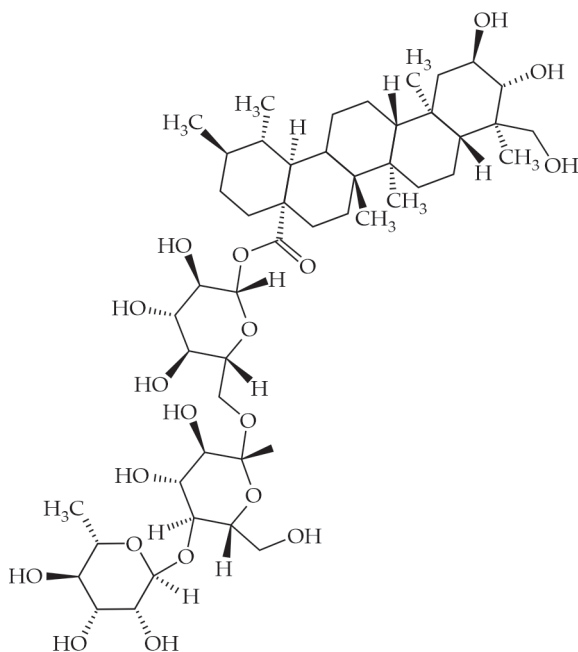
- Okdermo
- Minorich plus
- Hair4U

Asiaticoside

IUPAC NAME

[(2S,3R,4S,5S,6R)-6-[[[(2R,3R,4R,5S,6R)-3,4-dihydroxy-6-(hydroxymethyl)-5-[(2S,3R,4R,5R,6S)-3,4,5-trihydroxy-6-methyloxan-2-yl]oxyoxan-2-yl]oxymethyl]-3,4,5-trihydroxyoxan-2-yl] (1S,2R,4aS,6aR,6aS,6bR,8aR,9R,10R,11R,12aR,14bS)-10,11-dihydroxy-9-(hydroxymethyl)-1,2,6a,6b,9,12a-hexamethyl-2,3,4,5,6,6a,7,8,8a,10,11,12,13,14b-tetradecahydro-1H-picene-4a-carboxylate

STRUCTURE



Asiaticoside

CHROMATOGRAPHIC CONDITIONS

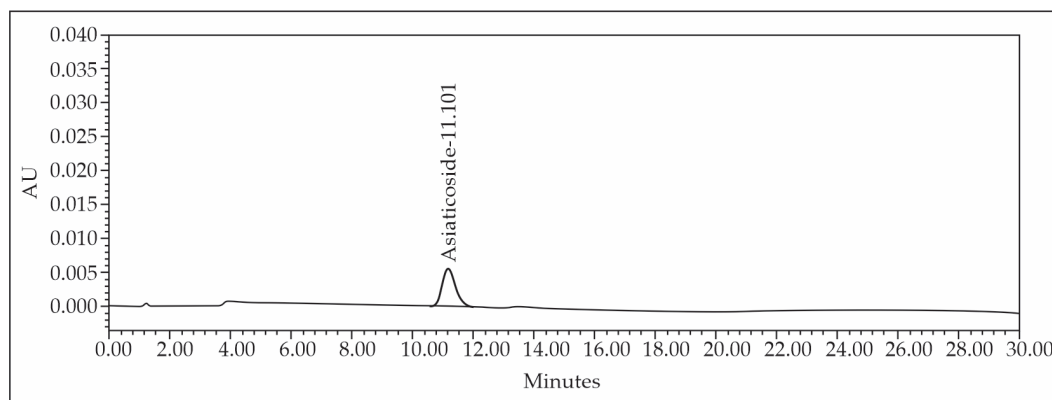
Column	Waters C18, 250 mm × 4.6 (5 μ)
Mobile phase	Acetonitrile:Water [75 : 25]
Detector	210 nm
Column temperature	30°C
Diluent	Methanol

(Contd.)

(Contd.)

Flow	1.0 ml/min
Run time	30 minutes
Retention time (minutes) (approx.)	11.10
Injection volume	20 µl

HPLC CHROMATOGRAM



MARKETED FORMULATIONS

- Asotic
- Astaxanthin