

1. Analytical conditions

Solvents: A: Water + 0.1% TFA

B: Acetonitrile

HPLC Column: Aquity UPLC BEH C18 1.7µm, 50x2.1 mm ID

Flow rate: 1 mL/min

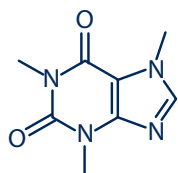
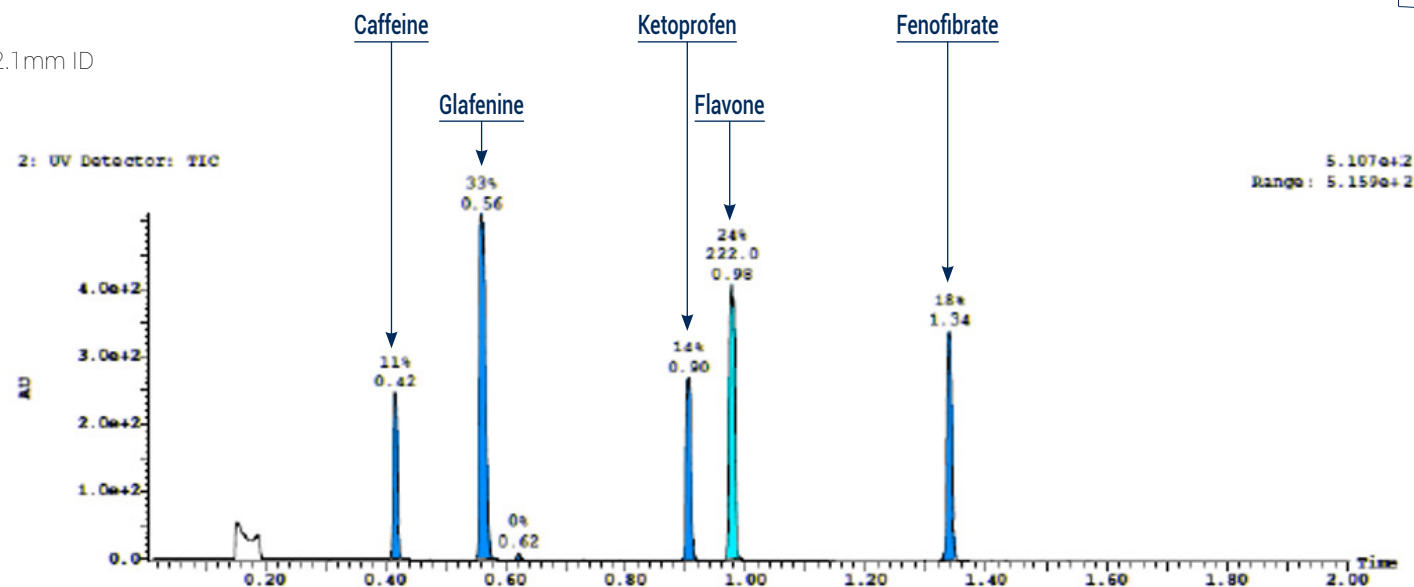
Injection mode: Liquid injection

Injection volume: 1µL

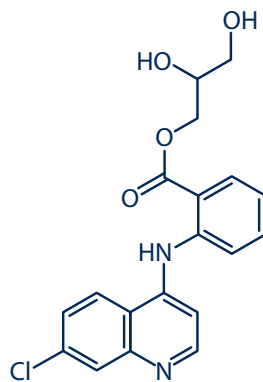
Detection: UV 254nm

Elution conditions:

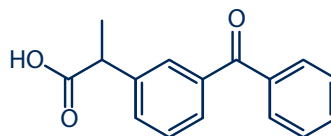
t (min)	A (%)	B (%)
00:00	95	5
01:40	2	98



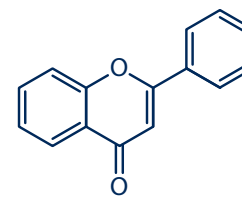
1- Caffeine



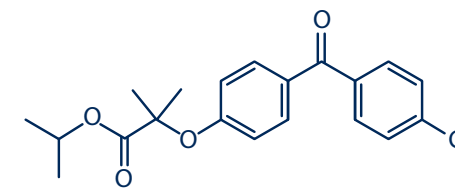
2- Glafenine



3- Ketoprofen



4- Flavone



5- Fenofibrate

2. Prep conditions

Device: puriFlash® 5.250 pack iELSD

Solvents: A: Water

B: Acetonitrile

Column: US5C18HQ-150/300

Flow rate: 32mL/min

Injection mode: Liquid injection

Injection volume: 0.5mL

Crude sample: 50mg

Detection: UV Scan (green),

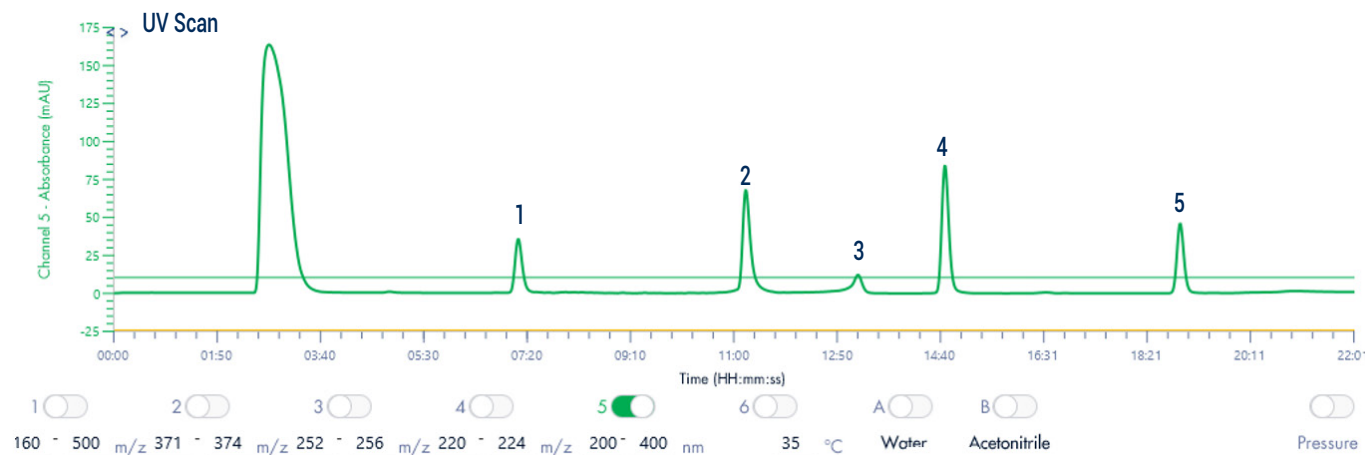
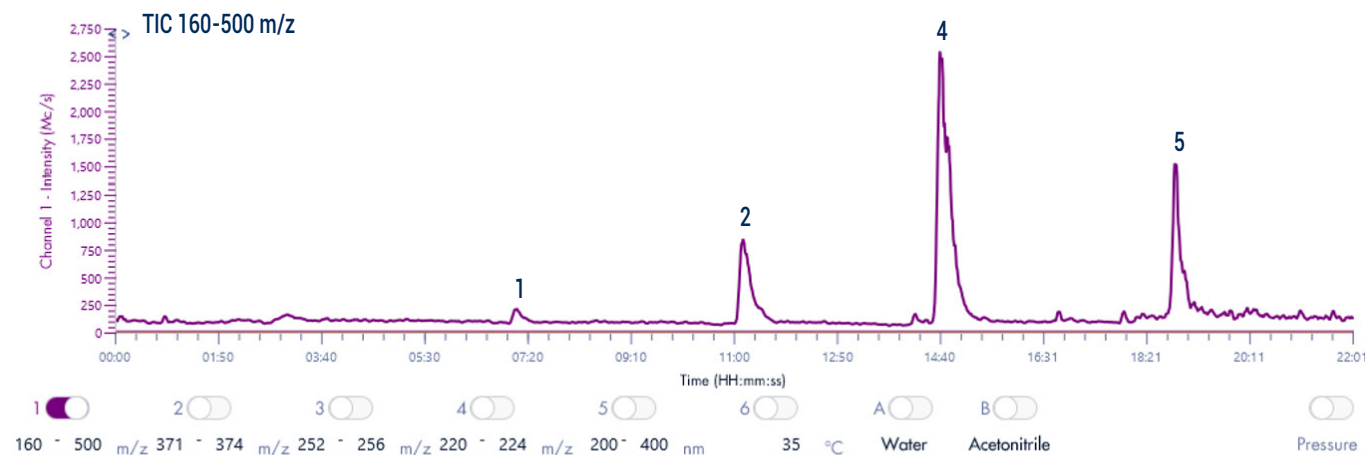
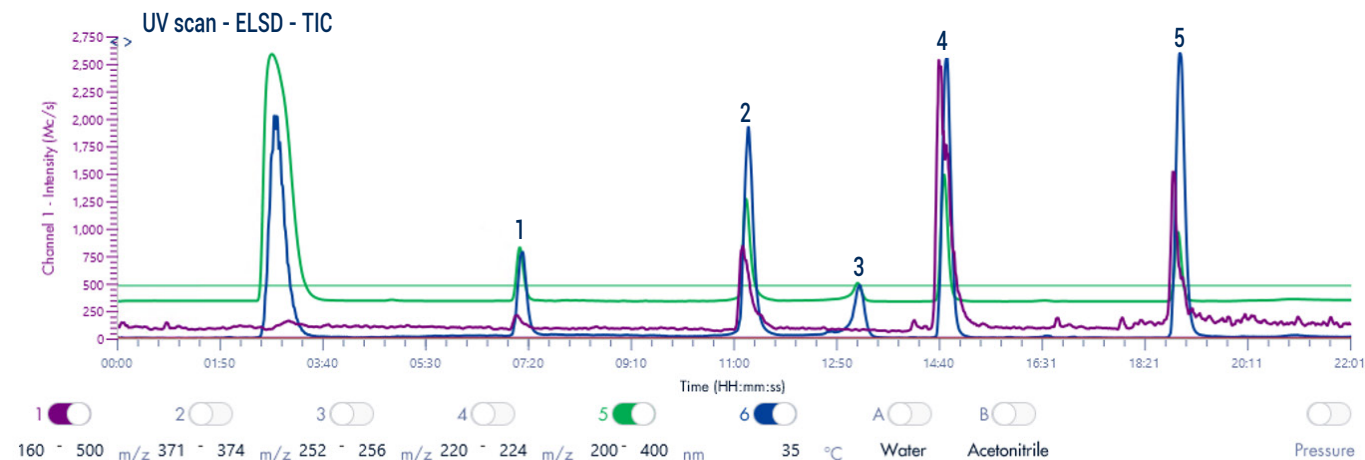
ELSD (35°C) (blue), ESI ion source:

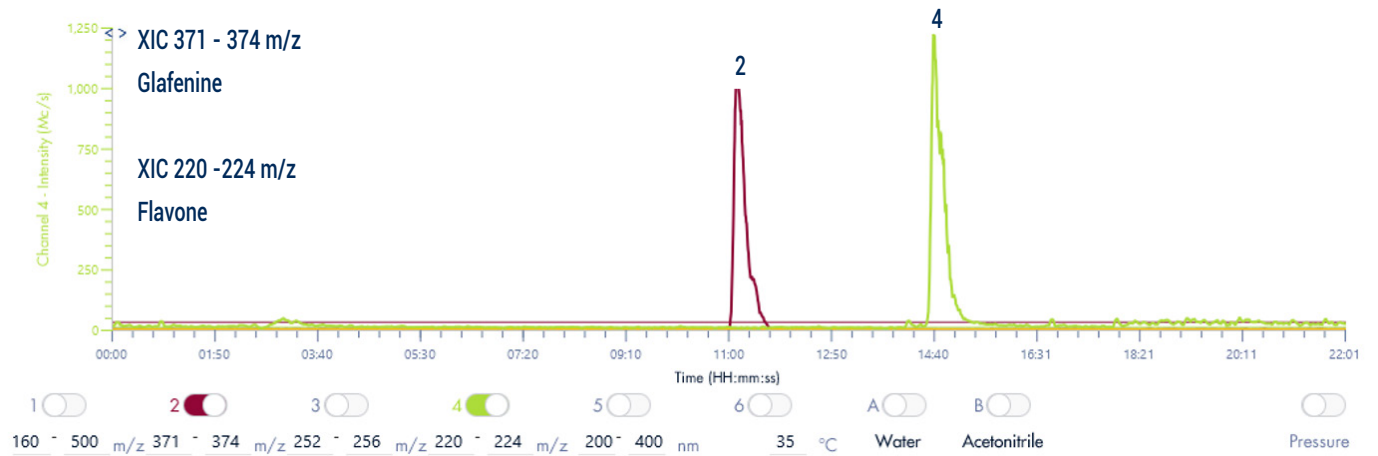
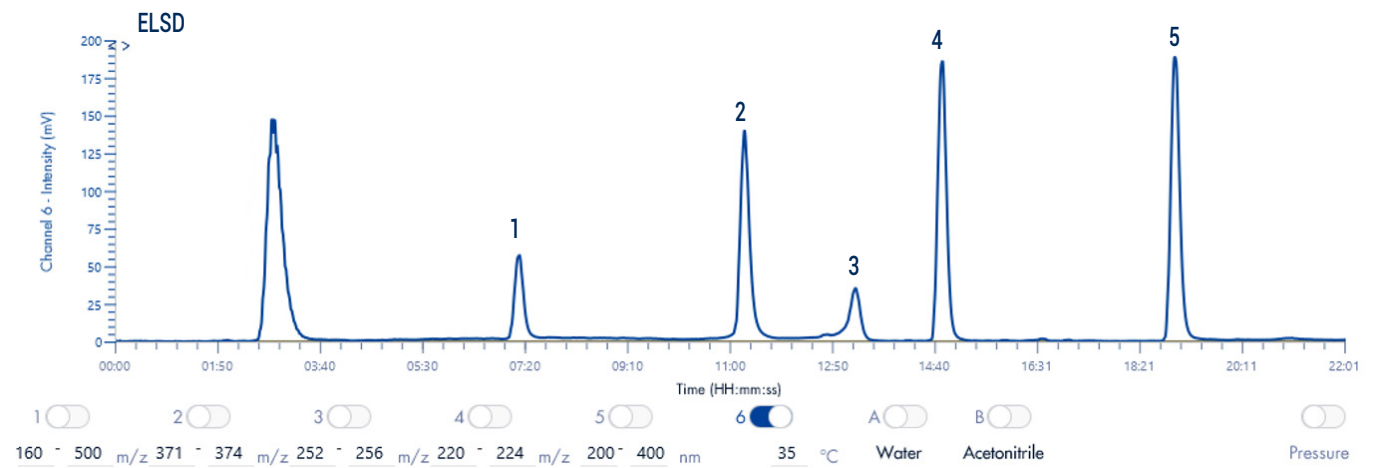
TIC 160-500m/z, XIC 371 - 374 m/z,

XIC 220 - 224m/z (purple)

Elution conditions:

t (min)	A (%)	B (%)
00:00	95	5
22:00	0	100





To achieve this purification:

You will need

- puriFlash® 5.250
[Discover it](#) [Add to card](#)
- Intergrated ELSD
[Discover it](#) [Add to card](#)
- puriFlash® MS
[Discover it](#) [Add to card](#)
- Uptisphere® Strategy™ column US5C18HQ-150/300
[Discover it](#) [Add to card](#)

We highly recommend

- Back pressure regulator 20psi+kit IO2360 [Add to card](#)
- 500µL Stainless Steel Loop with RFID tag AYHELO [Add to card](#)
- Safety solvent caps kit - 4 units BODANO [Add to card](#)

