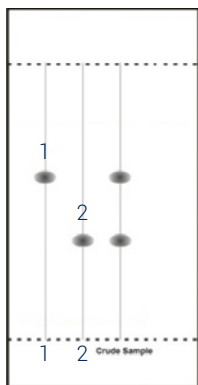




1. TLC method development

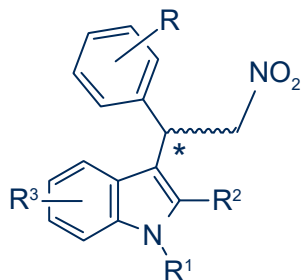


Mobile phase:
85% Cyclohexane / Ethyl Acetate 15%

Compound	Rf	CV
1	0.52	1.92
2	0.33	3.03

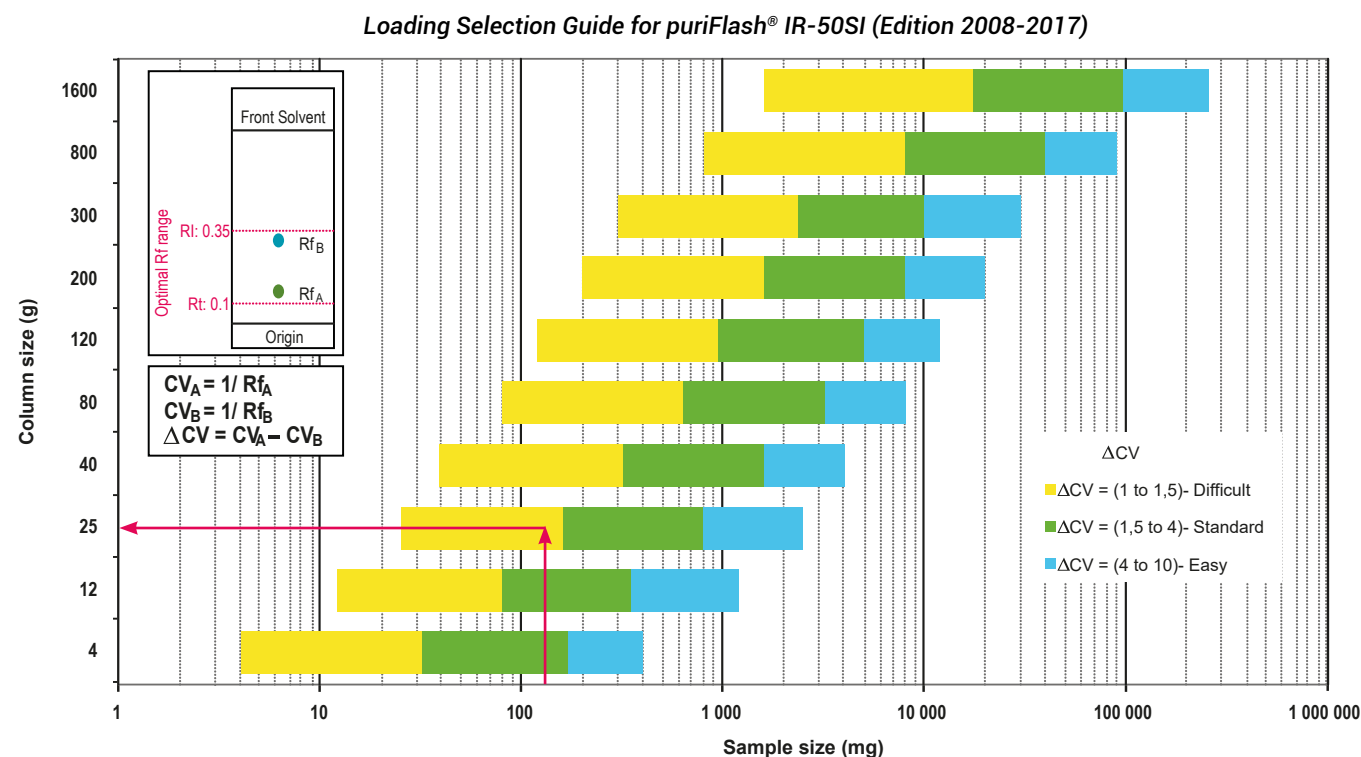
$$\Delta CV_{2-1} = 1.11$$

Adaptation of TLC conditions to get at least one compound of interest between Rf 0.05 & 0.35.



2. Choice of the column according to the ΔCV & crude sample mass

Crude sample: 150mg
Column: PF-15SIHP-F0025
Loading capacity: 0.6%



Customer has chosen to use PF-15SIHP-F0025 column to obtain a better separation (efficiency & purity) than with a IR-50SI-F0025 column.

3. Flash conditions

Device: puriFlash® 450 (or now puriFlash® 5.050)

Solvents: A: Cyclohexane
B: Ethyl Acetate

Column: PF-15SIHP-F0025

Flow rate: 20mL/min

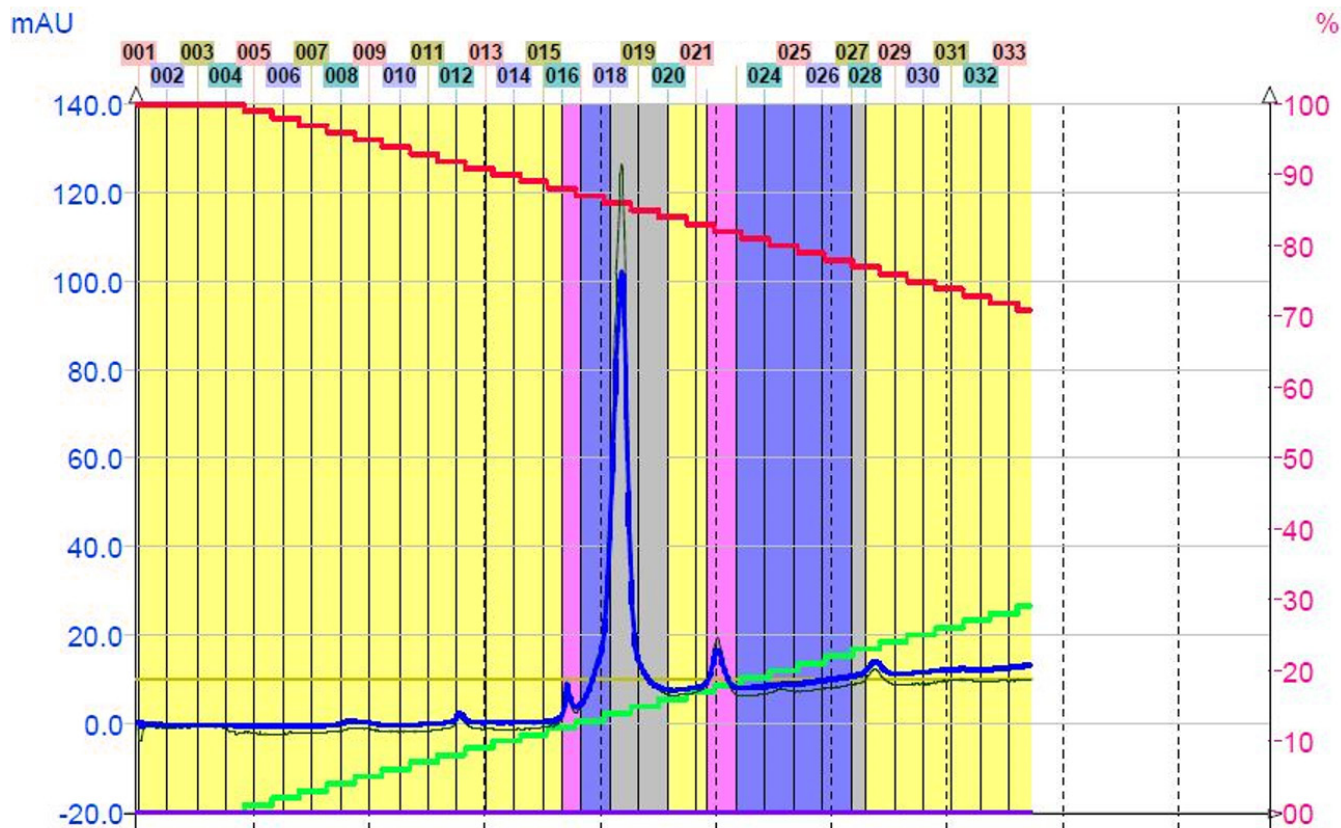
Injection mode: Solid deposit with celite (Dry-load F0004)

Crude sample: 150mg

Detection: UV 254nm (blue), Scan 250-350nm (black)

Elution conditions:

CV	A (%)	B (%)
0	100	0
1	100	0
11	70	30
13	70	30



To achieve this purification:

You will need

- puriFlash® 5.050
[Discover it](#) [Add to card](#)
- puriFlash® column PF-15SIHP-F0025
[Discover it](#) [Add to card](#)
- puriFlash® Dry-load PF-DLE-F0004
[Discover it](#) [Add to card](#)

We highly recommend

- 16X150mm Rack AYHE40 [Add to card](#)
- Tubes 16x150mm BX5400 [Add to card](#)
- Magic box Flash AXF7T0 [Add to card](#)

Download our App

"TLC to Flash & Prep Chromatography" to make your TLC developments easier and faster.

