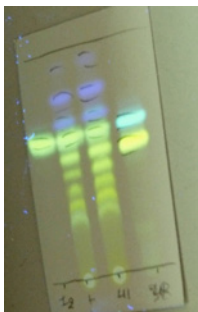


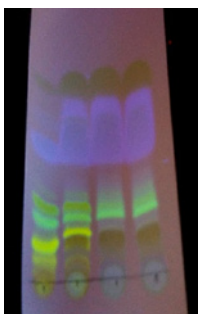


1. TLC method development



Mobile phase:
50% Cyclohexane / DCM 50%

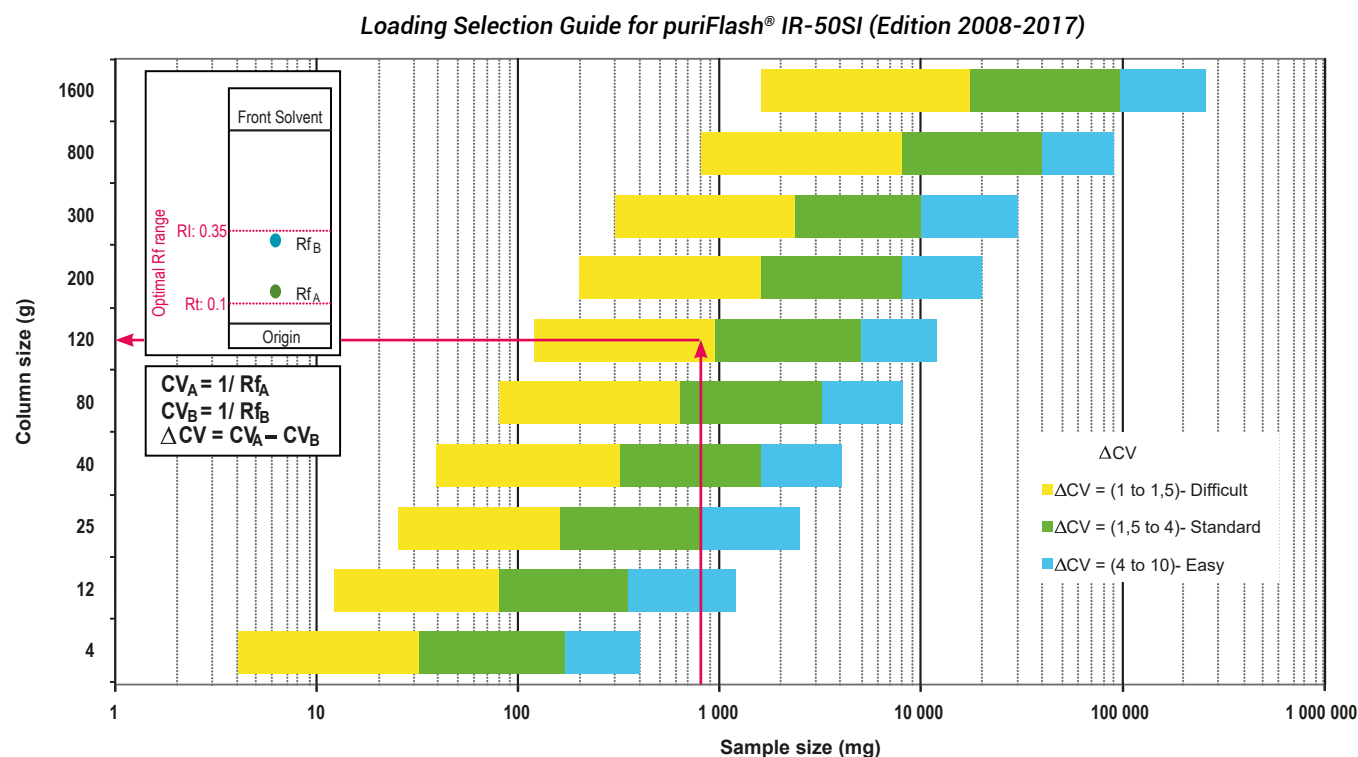
TLC optimization to obtain
 $0.05 < R_f < 0.35$



Mobile phase:
55% Cyclohexane / DCM 45%

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

Crude sample: 800mg
Column: PF-15SIHC-F0120
Loading capacity: 0.6%



Customer has chosen to use a PF-15SIHC-F0120 column to obtain a better separation (efficiency & purity) than with a IR-50SI-F0120 column.

3. Flash conditions

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

Solvents: A: Cyclohexane

B: DCM

Column: PF-15SIHC-F0120

Flow rate: 60mL/min

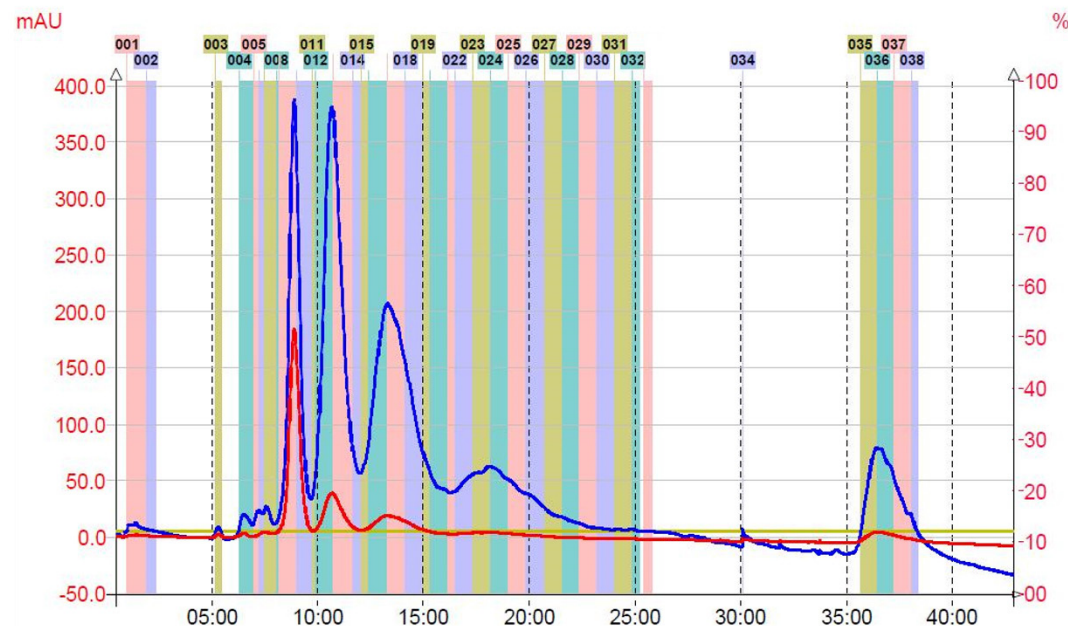
Injection mode: Solid deposit with celite (Dry-load F0004)

Crude sample: 800mg

Detection: UV Scan 254-280nm (Blue), UV 254nm (Red)

Elution conditions:

55% Cyclohexane / DCM 45% (Isocratic mode)



4. TLC confirmation



To achieve this purification:

You will need

- puriFlash® 5.050
[Discover it](#) [Add to card](#)
- puriFlash® column PF-15SIHC-F0120
[Discover it](#) [Add to card](#)
- puriFlash® Dry-load PF-DLE-F0004
[Discover it](#) [Add to card](#)

We highly recommend

- Safety waste cap with container 5L + Filter B1SUJ0 [Add to card](#)
- Safety solvent caps kit - 4 units BODANO [Add to card](#)
- Ballasting for 1/8" tubing - 5 units DZ7360 [Add to card](#)

Download our App

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

