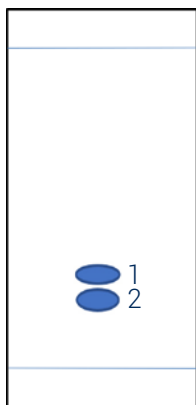




1. TLC method development

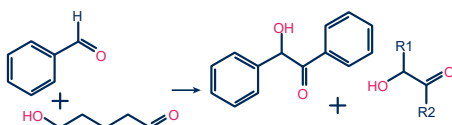


Mobile phase:
91% Petroleum ether / Ethyl acetate 9%

Compound of interest:
compound 2

| Compound | Rf | CV |
|----------|------|------|
| 1 | 0.29 | 3.45 |
| 2 | 0.25 | 4 |

$\Delta CV = 0.55$

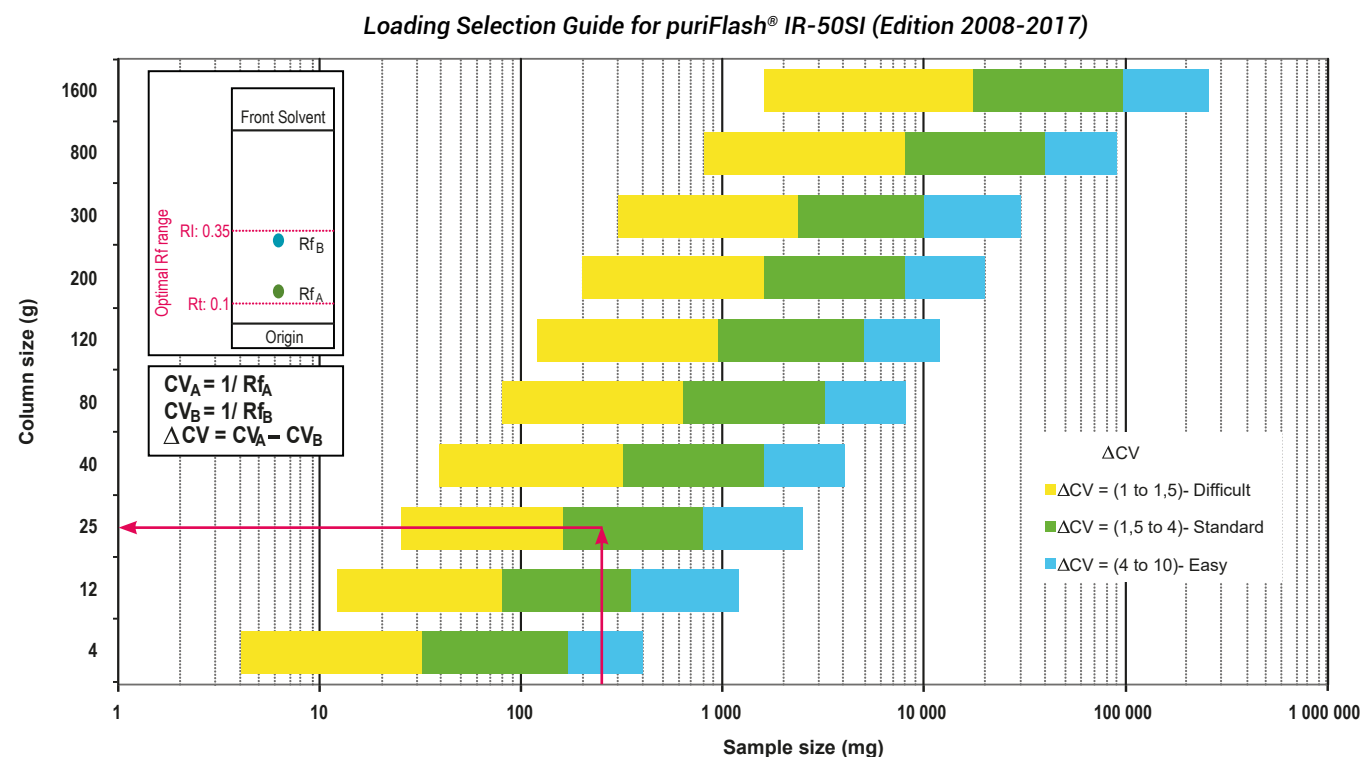


2. Choice of the column according to the ΔCV & crude sample mass

Crude sample: 250mg

Column: PF-15SIHP-F0025

Loading capacity: 1%



Customer has chosen to use a 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: Petroleum Ether

B: Ethyl Acetate

Column: PF-15SIHP-F0025

Flow rate: 15mL/min

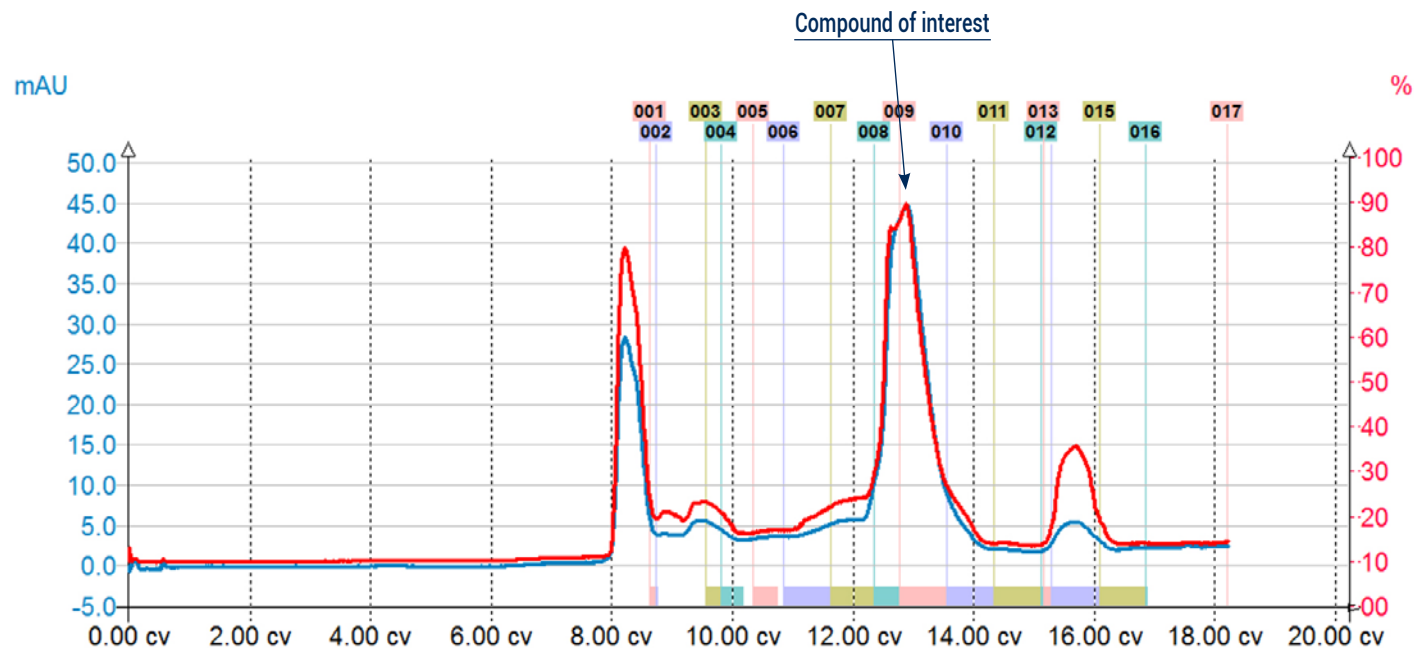
Injection mode: Solid deposit with celite (Dry-load F0004)

Crude sample: 250mg

Detection: UV 280nm (blue) , UV Scan 200-600nm (red)

Elution conditions:

| CV | A (%) | B (%) |
|------|-------|-------|
| 0 | 98 | 2 |
| 1 | 98 | 2 |
| 11 | 82 | 18 |
| 13.5 | 82 | 18 |
| 14.5 | 75 | 25 |
| 16 | 75 | 25 |



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

- 18x150mm Rack
 AYHE50 [Add to card](#)
- Tube holding claw 18mm
 AYHED0 [Add to card](#)
- Safety waste cap with container 5L+ Filter
 B1SUJ0 [Add to card](#)

Download our App

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

