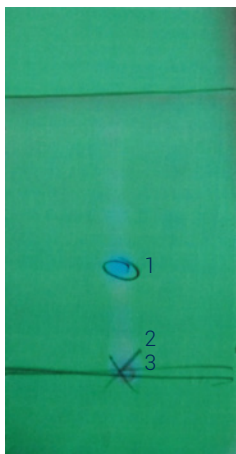


1. TLC method development

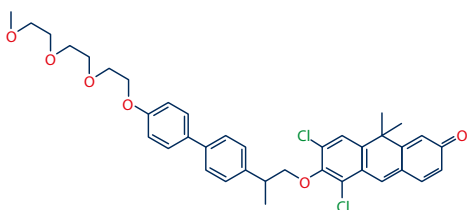


Mobile phase:
80 % Dichloromethane / Ethyl acetate 20 %

Compound of interest:
Compound 1

Compound	Rf	CV
1	0.61	1.64
2	0.19	5.26
3	0.11	9.09

$$\Delta CV_{2-1} = 3.62$$



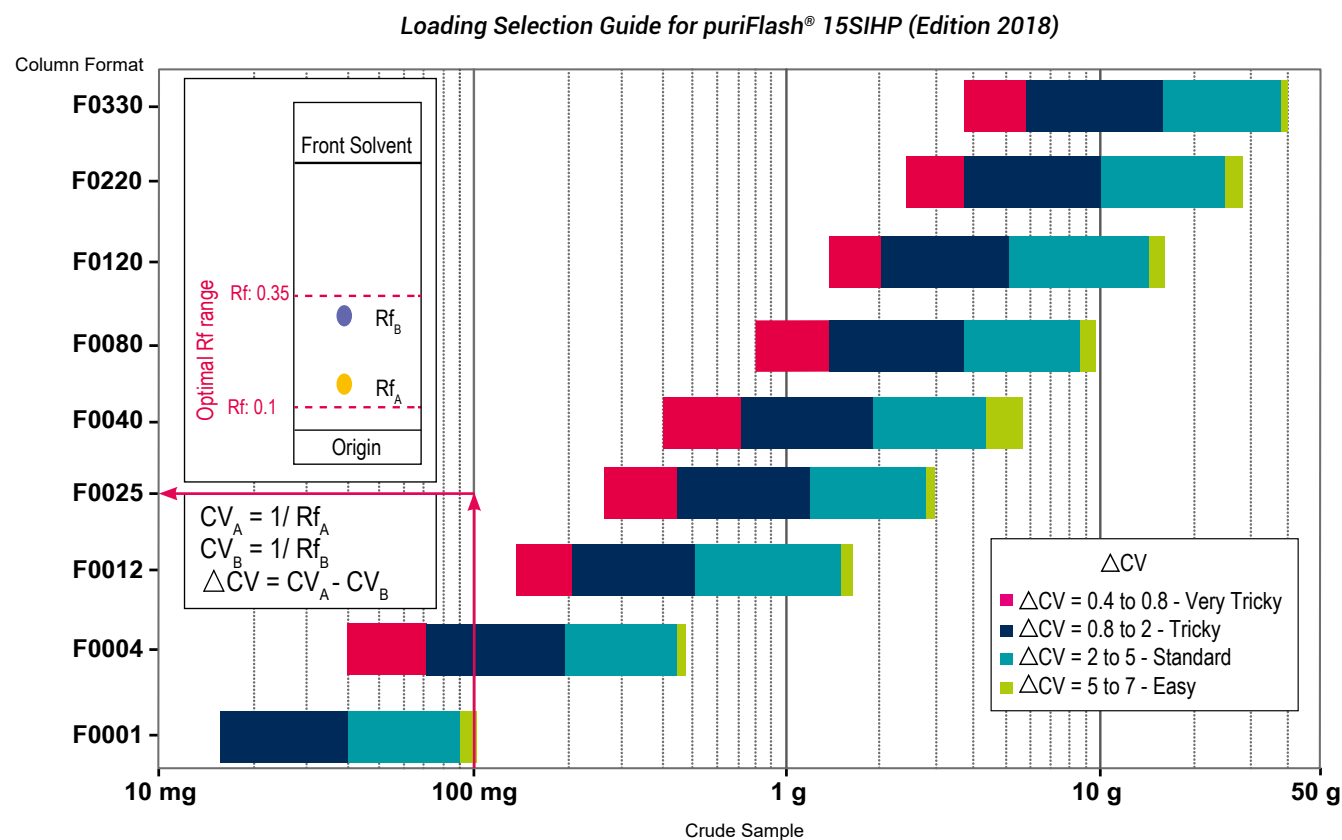
PEG Coumarin

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

Crude sample: 100mg

Column: PF-15SIHP-F0025

Loading capacity: 0.4%



Customer has chosen to use PF-15SIHP-F0025 column to obtain a better separation (efficiency & purity) than with a PF-15SIHP-F0004 column.

3. Flash conditions

Device: puriFlash® 5.250P

Solvents: A: Dichloromethane
B: Ethyl Acetate

Column: PF-15SIHP-F0025

Flow rate: 15mL/min

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

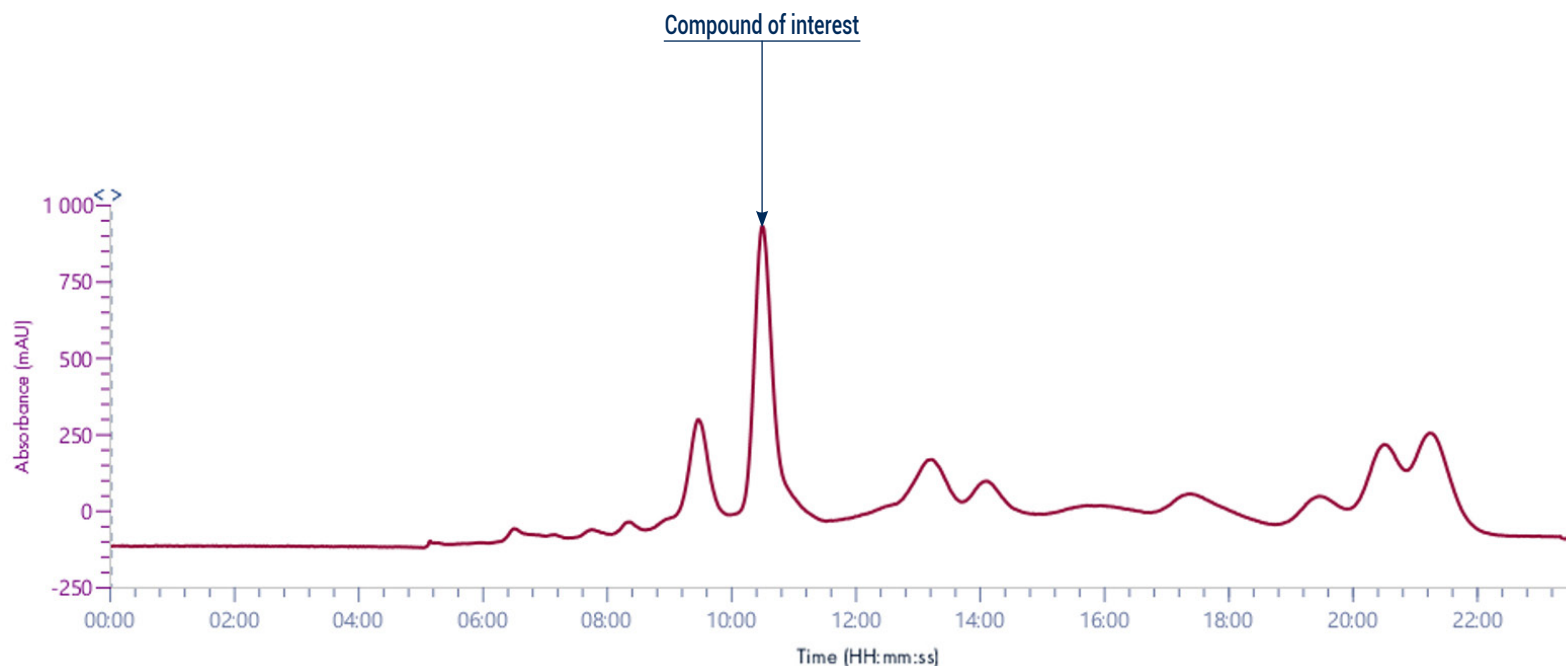
Crude sample: 100mg

Detection: UV 380nm (dark red)

Pressure: 6bar

Elution conditions:

t (min)	A (%)	B (%)
00:00	100	0
30:00	0	100



To achieve this purification:

You will need

- puriFlash® 5.250P
[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

- Magic box Flash AXF7P0 [Add to card](#)
- Tablet for TLC to Flash & Prep application TABLE0 [Add to card](#)
- Ballasting kit for 1/8 tubing - 5 units DZ7360 [Add to card](#)

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

