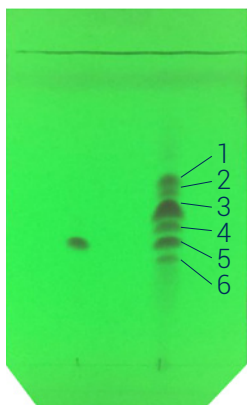


1. TLC method development



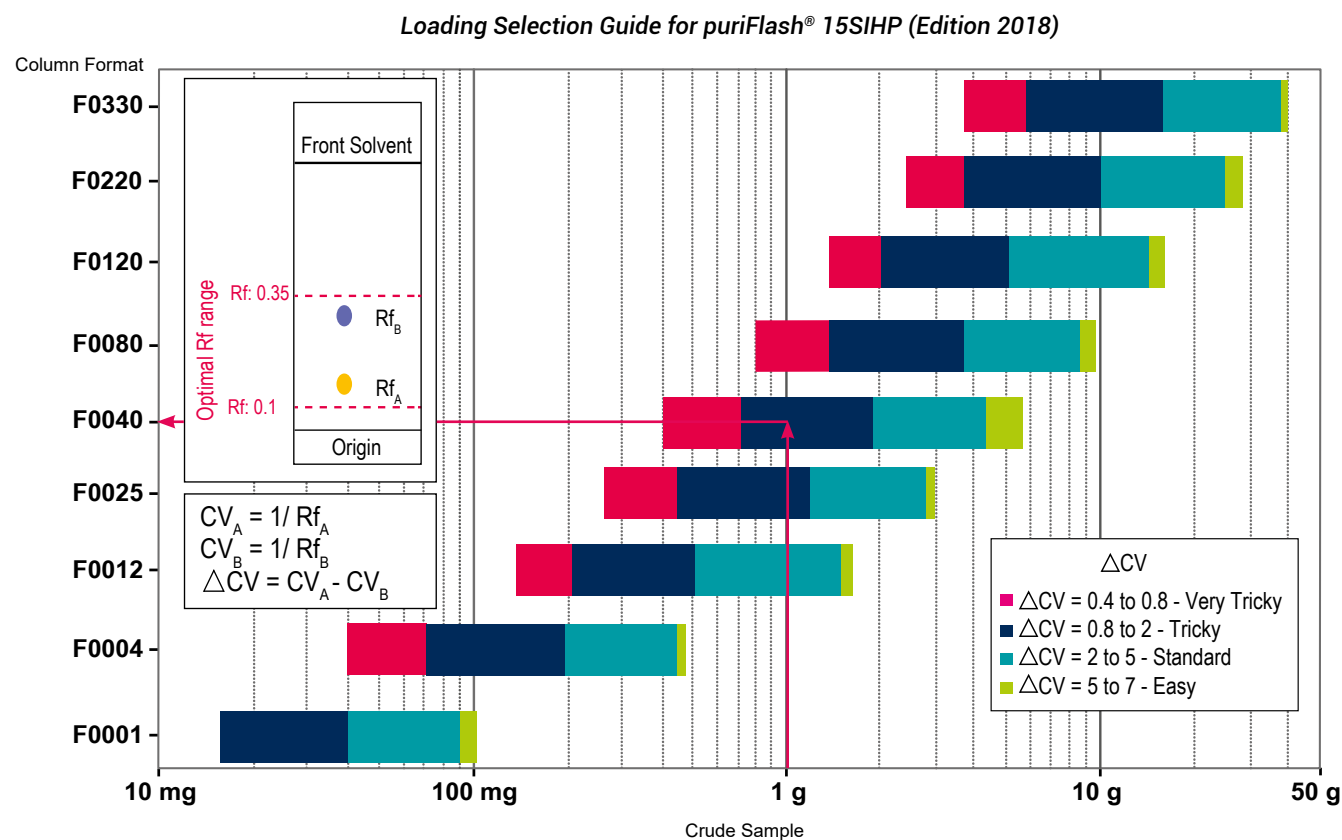
Mobile phase:
94% Chloroforme / Methanol 6%

Compound of interest:
Compound 5

Compound	Rf	CV
1	0.6	1.67
$\Delta CV_{2-1} = 0.08$		
2	0.57	1.75
$\Delta CV_{3-2} = 0.21$		
3	0.51	1.96
$\Delta CV_{4-3} = 0.26$		
4	0.45	2.22
$\Delta CV_{5-4} = 0.28$		
5	0.40	2.5
$\Delta CV_{6-5} = 0.36$		
6	0.35	2.86

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

Crude sample: 1g
Column: PF-15SIHP-F0040
Loading capacity: 1%



3. Flash conditions

Device: puriFlash® XS 420 Plus (or now puriFlash® XS 520 Plus)

Solvents: A: Chloroform

B: Chloroform/Methanol 87/13

Column: PF-15SIHP-F0040

Flow rate: 26mL/min

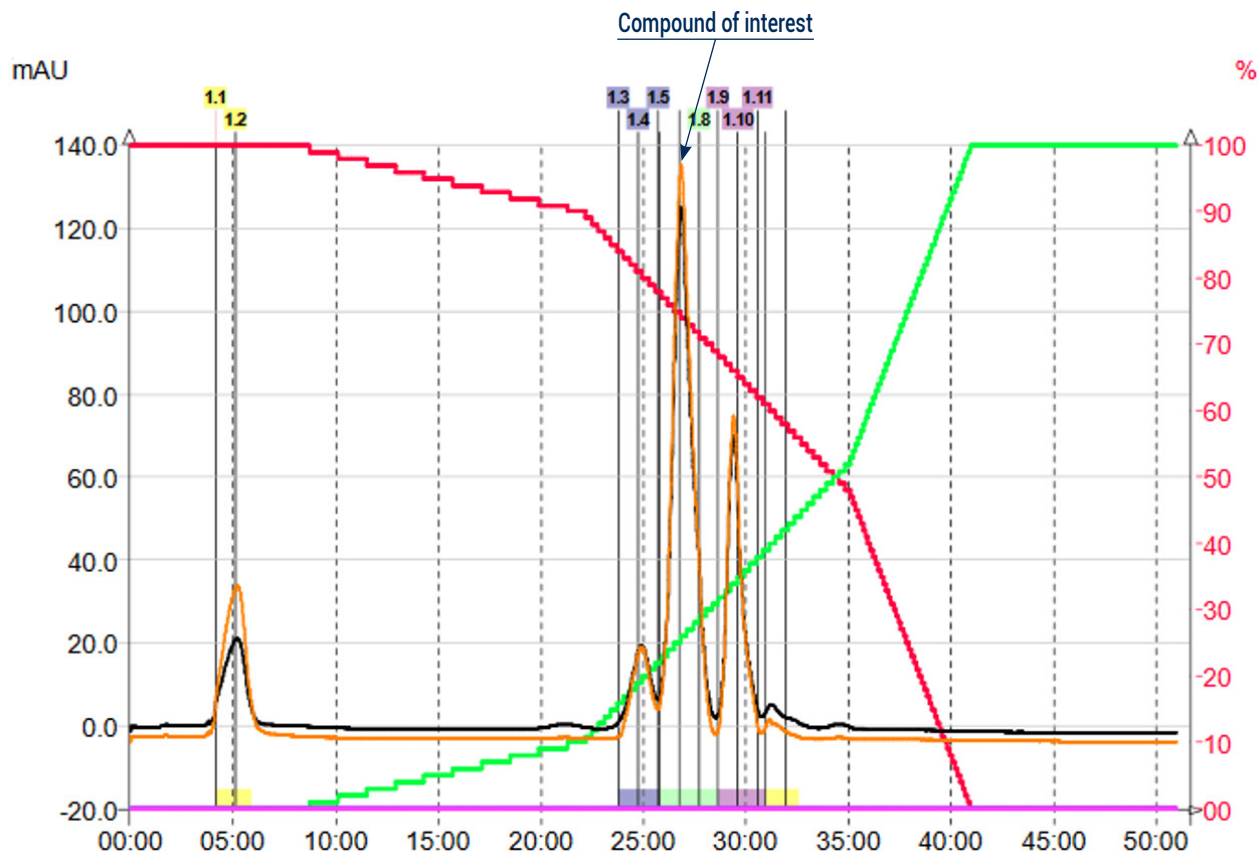
Injection mode: Liquid injection

Crude sample: 1g

Detection: UV 254nm (black), UV Scan 250-400nm (orange)

Elution conditions:

t (min)	A (%)	B (%)
00:00	100	0
08:00	100	0
22:00	90	10
35:00	48	52
41:00	0	100
51:00	0	100



To achieve this purification:

You will need

- puriFlash® XS 520 Plus
[Discover it](#) [Add to card](#)
- puriFlash® column PF-15SIHP-F0040
[Discover it](#) [Add to card](#)

We highly recommend

- Safety solvent caps kit - 4 units DV2760 [Add to card](#)
- 13X100mm Rack 1R8590 [Add to card](#)
- Tubes 13x100mm BH3901 [Add to card](#)

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