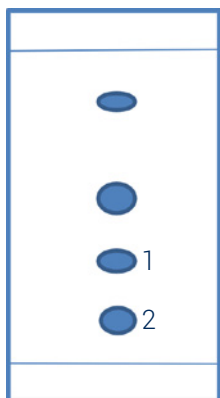


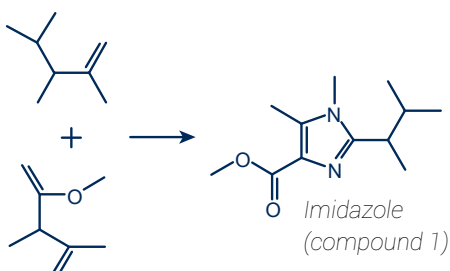
## 1. TLC method development



Mobile phase:  
33% Petroleum Ether / Ethyl Ether 67%

Compound	Rf	CV
1	0.425	2.35
2	0.2	5

$$\Delta CV_{2-1} = 2.65$$

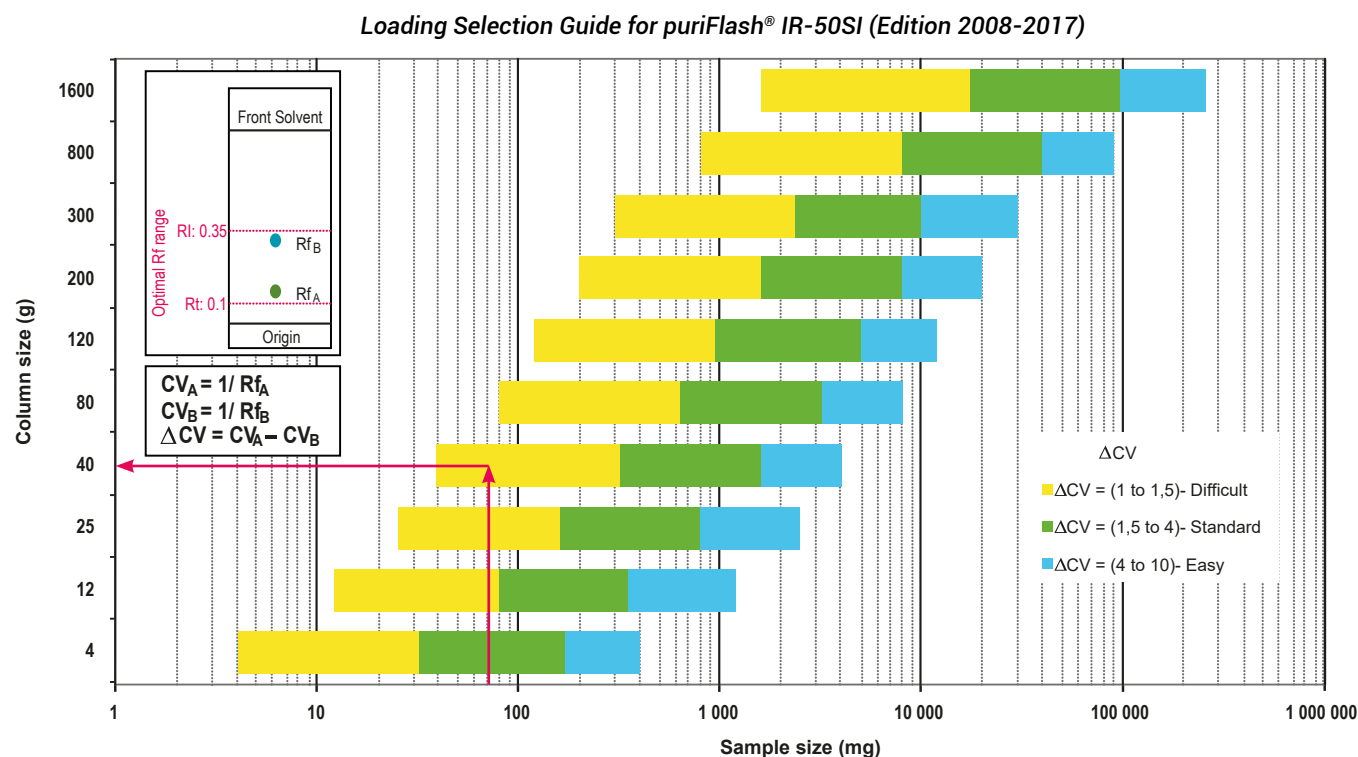


## 2. Choice of the column according to the $\Delta CV$ & crude sample mass

Crude sample: 700mg

Column: PF-15SIHP-F0040

Loading capacity: 1.75%



Customer has chosen to use a PF-15SIHP-F0040 column to obtain a better separation (efficiency & purity) than with a IR-50SI-F0040 column.

### 3. Flash conditions

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

Solvents: A: Petroleum Ether  
B: Ethyl Ether

Column: PF-15SIHP-F0040

Flow rate: 26mL/min

Injection mode: Liquid injection

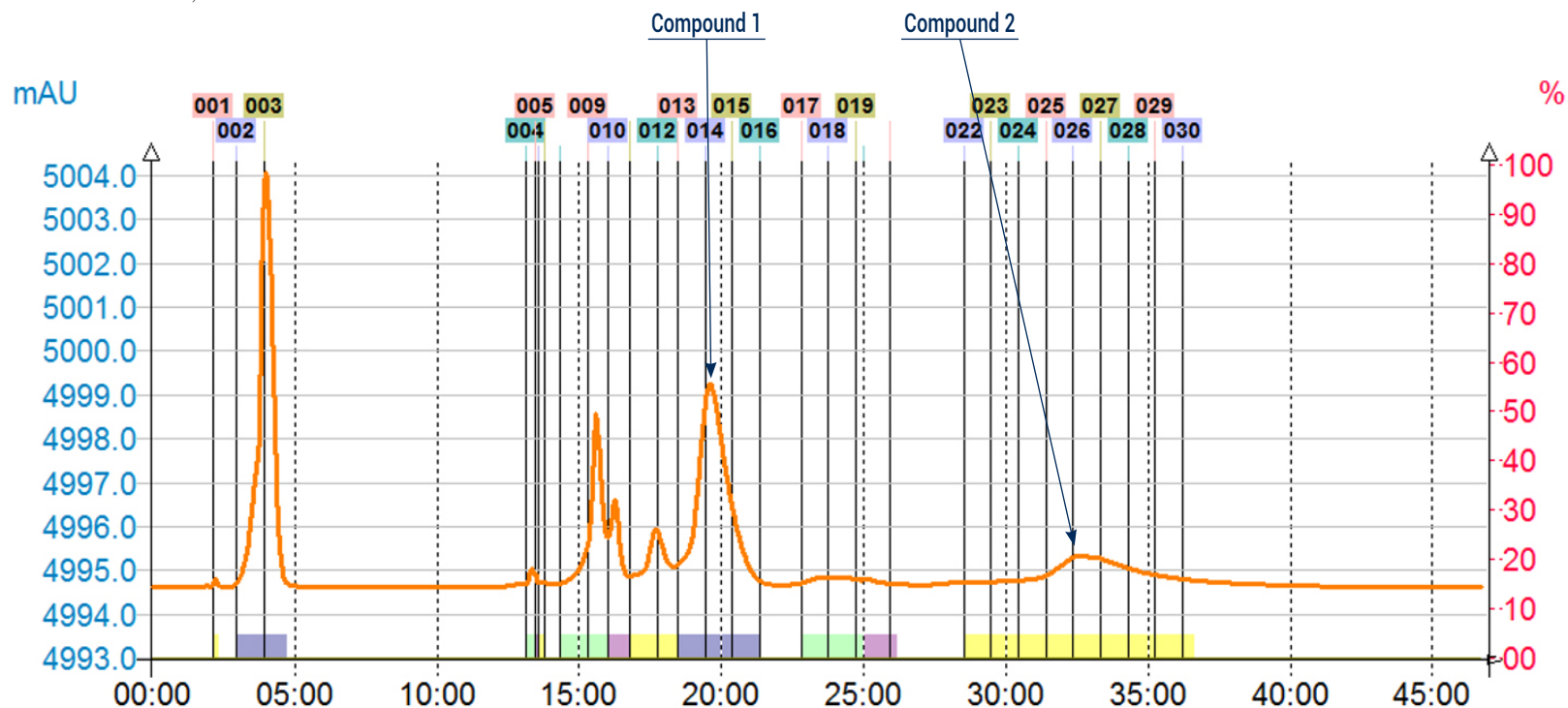
Crude sample: 700mg

Detection: UV 260nm

Pressure: 2bar

Elution conditions:

CV	A (%)	B (%)
0	98	2
1	98	2
11	33	67
13	33	67



#### 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

- 18x150mm Rack 1R8610 [Add to card](#)
- Tube holding claw 18mm AYHED0 [Add to card](#)
- Safety waste cap with container 5L+ Filter IO6930 [Add to card](#)

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

