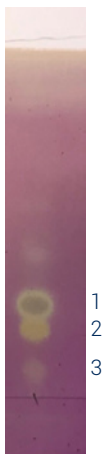


1. TLC method development



Mobile phase:
50% Heptane / 50% Ethyl Acetate

Compounds of interest:
Compounds 1 & 2

Compound	Rf	CV
1	0.26	3.85
2	0.18	5.56
3	0.07	14.29

$$\Delta CV_{2-1} = 1.71$$

2. TLC to flash transposition



Among the columns proposed by Genius, we selected a column PF-15SIHP-F0025, available from stock.

TLC to Flash & Prep (Normal Phase)

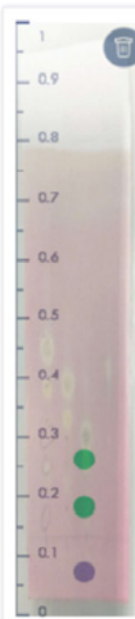
↑ UPLOAD

↶ RESET

Crude sample 1000 mg

Solvent 1 Ethyl acetate 50 % Additive

Solvent 2 Heptane 50 % Additive



Select your compound(s) of interest

Rf 0.26

Rf 0.18

Rf 0.07

SELECT A COLUMN

Column	Stock
IR-50SI-F0080	<input checked="" type="checkbox"/>
PF-15SIHP-F0025	<input checked="" type="checkbox"/>
PF-50SIHC-F0080	<input checked="" type="checkbox"/>
PF-50SIHP-F0080	<input checked="" type="checkbox"/>
PF-50SIHP-F0120	<input checked="" type="checkbox"/>
PF-50SIHC-F0120	<input checked="" type="checkbox"/>

— Top 3 columns [SII IC : for MWV < 500]

INJECTION MODE

The crude is fully soluble in the below conditions:

Heptane 87.9%
Ethyl acetate 12.1%

Yes No

Liquid _____ mL (max 2.59 mL)

Dry load **PF-DLE-F0012**

GO TO MANUAL METHOD

GO TO RUN

3. Flash conditions

Device: puriFlash® 5.250

Solvents: A: Ethyl Acetate

B: Heptane

Column: PF-15SIHP-F0025

Flow rate: 15mL/min

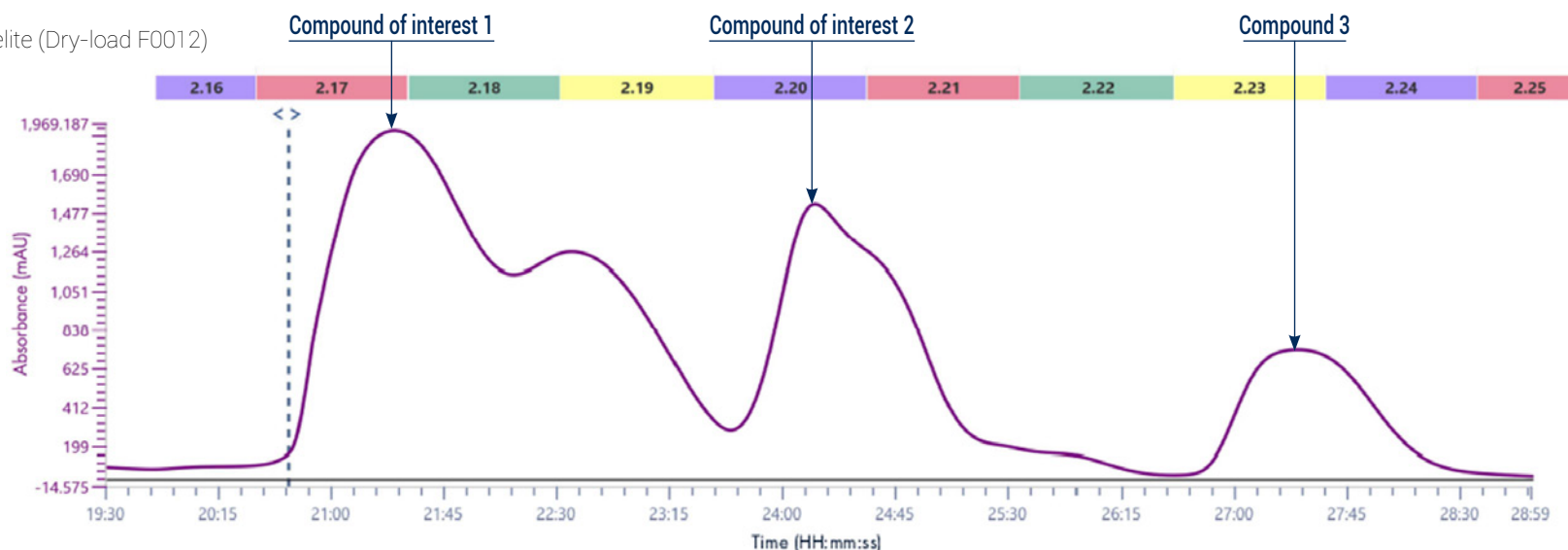
Injection mode: Solid deposit with celite (Dry-load F0012)

Crude Sample: 1000mg

Detection: UV 254nm

Elution conditions:

t (min)	A (%)	B (%)
00:00	12.1	87.9
06:29	18.3	81.7
28:05	93.5	6.5
38:53	93.5	6.5



To achieve this purification:

You will need

- puriFlash® 5.250
[Discover it](#) [Add to card](#)
- puriFlash® column PF-15SIHP-F0025
[Discover it](#) [Add to card](#)
- puriFlash® Dry-load PF-DLE-F0012
[Discover it](#) [Add to card](#)

We highly recommend

- Ballasting kit for 1/8" tubing
DZ7360 [Add to card](#)
- Extractor with 2 extraction tubes + Kit
AYHDZO [Add to card](#)
- Tubes 18x150mm
AW3842 [Add to card](#)