

## Supplementary Material

### Optimization and continuous flow synthesis of felodipine

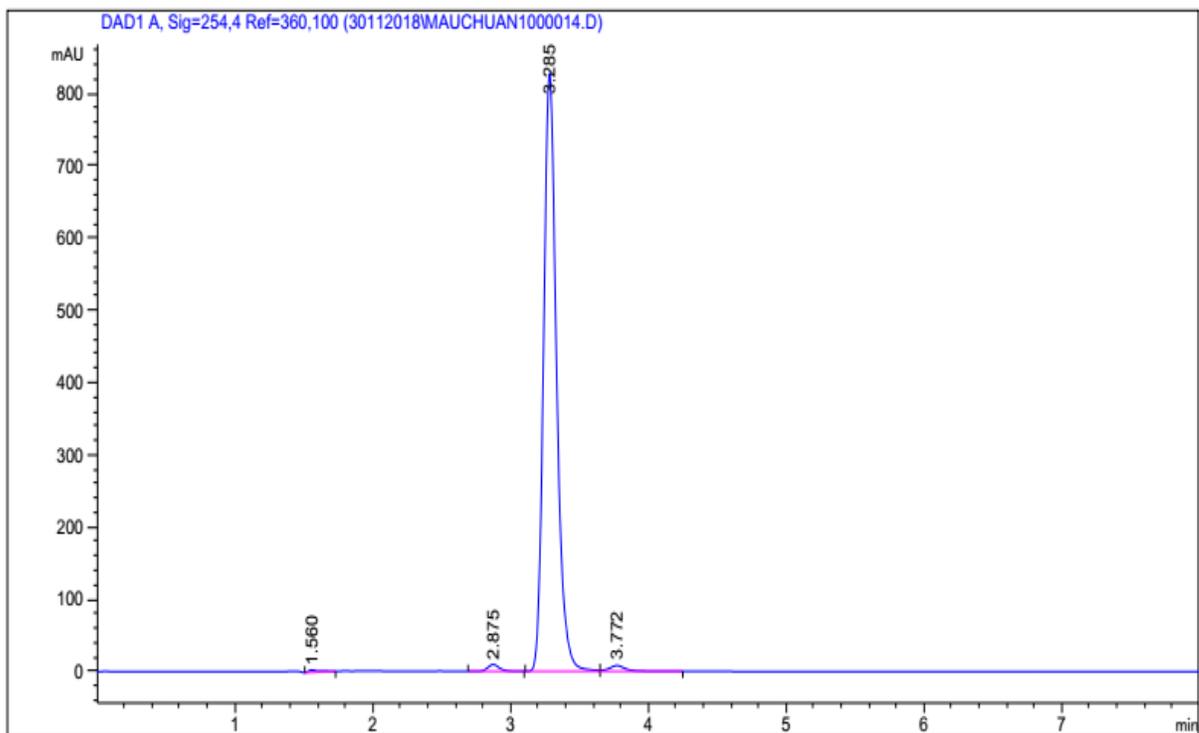
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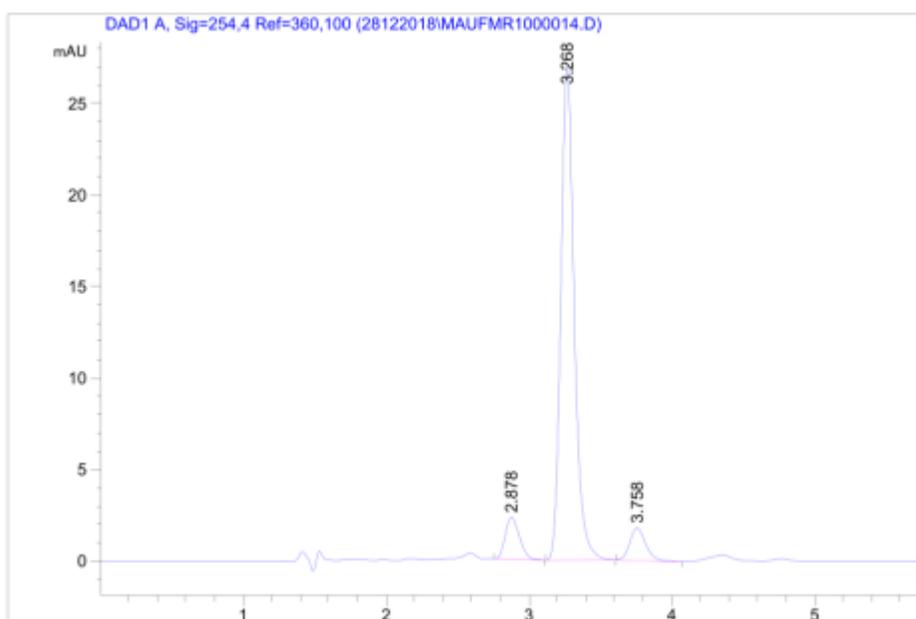
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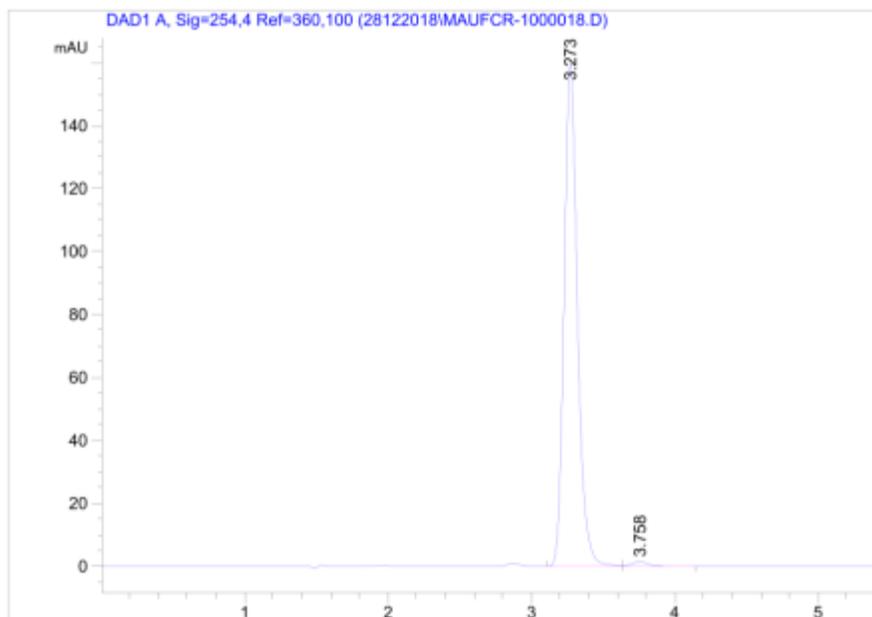
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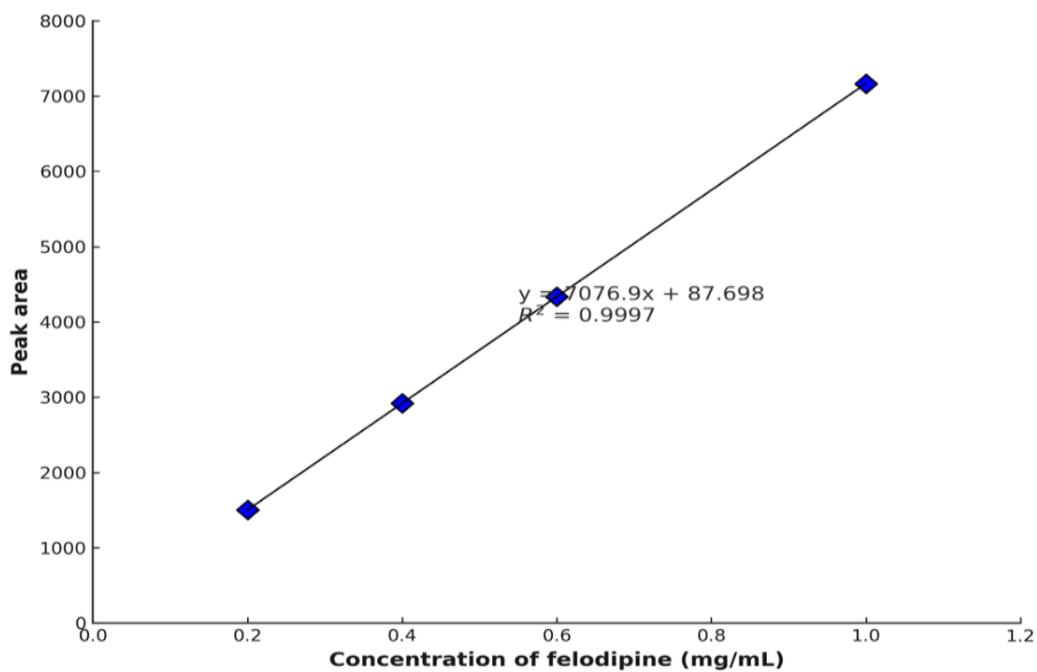
**Figure 1.** An HPLC chromatogram of felodipine standard.



**Figure 2.** An HPLC chromatogram of continuous flow reaction under optimal conditions.



**Figure 3.** An HPLC chromatogram of felodipine after purification.



**Figure 4.** Standard curve for the quantification of felodipine.

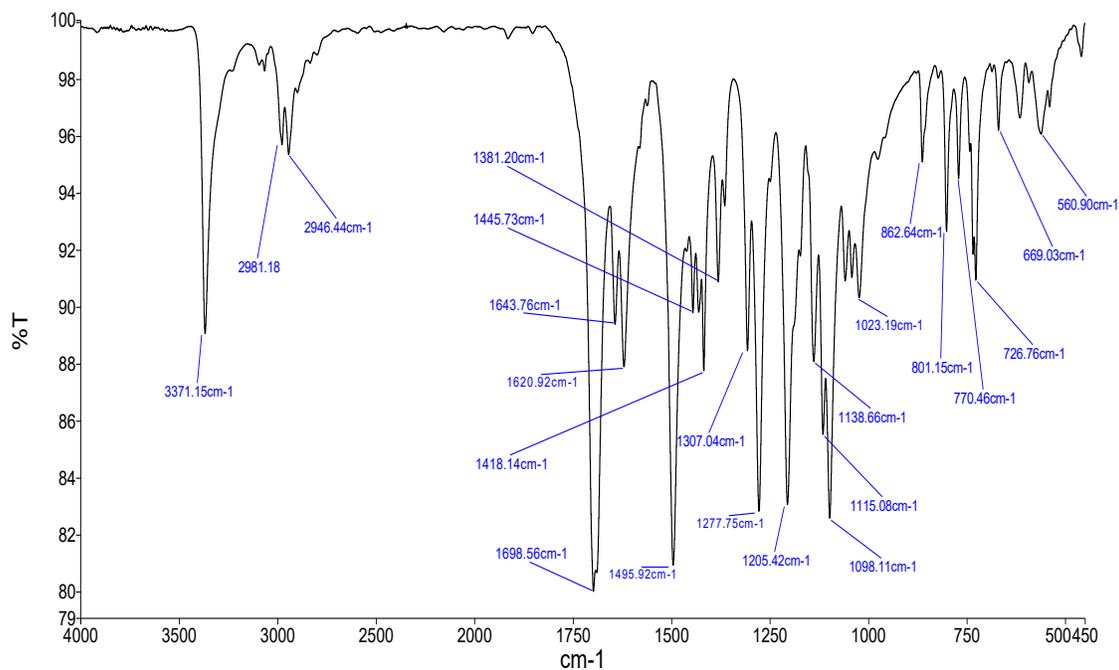


Figure 5. IR spectra of felodipine.

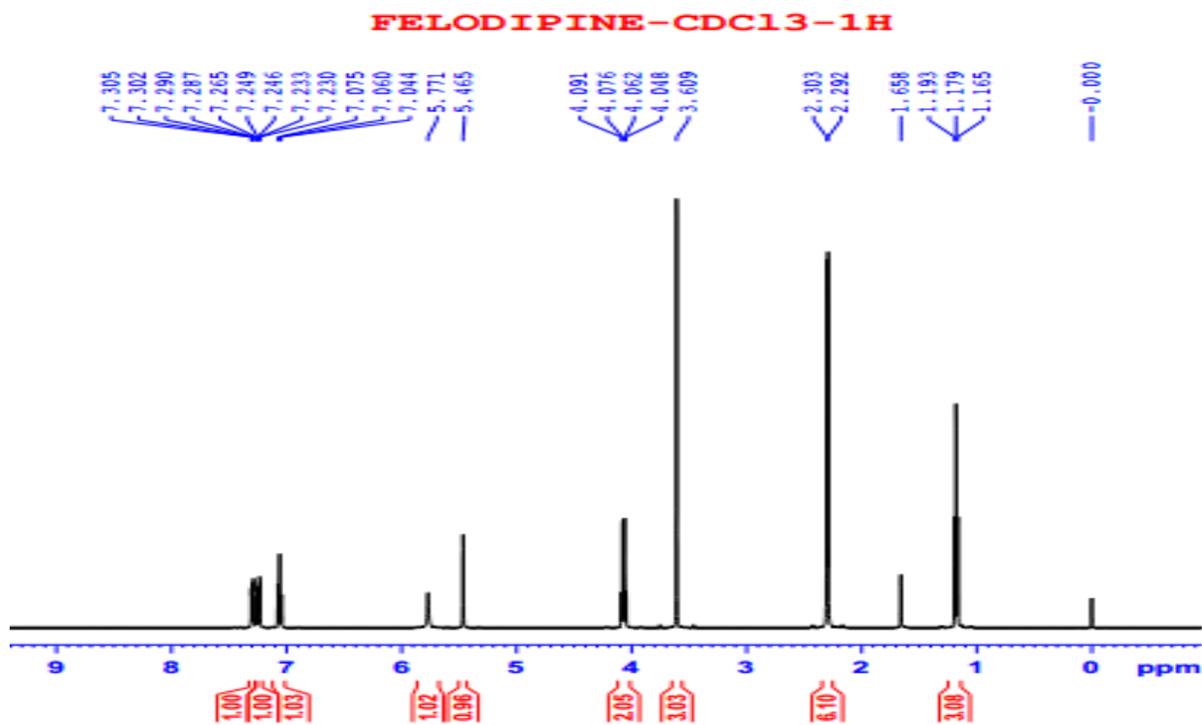
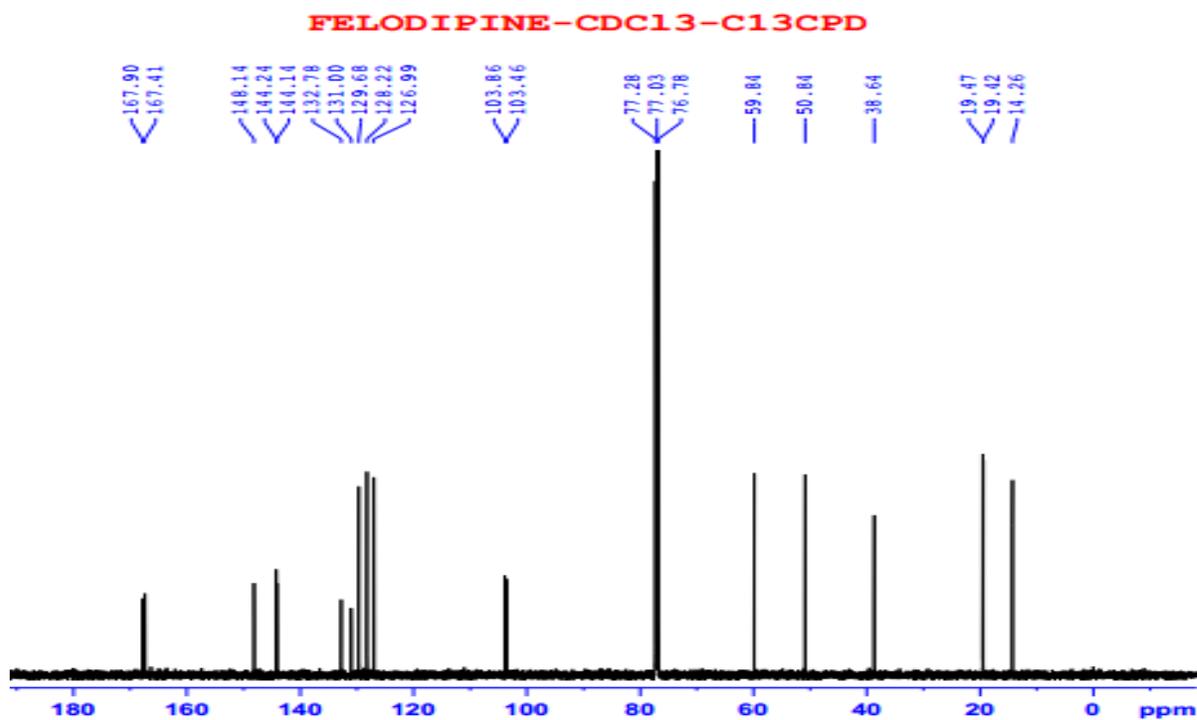
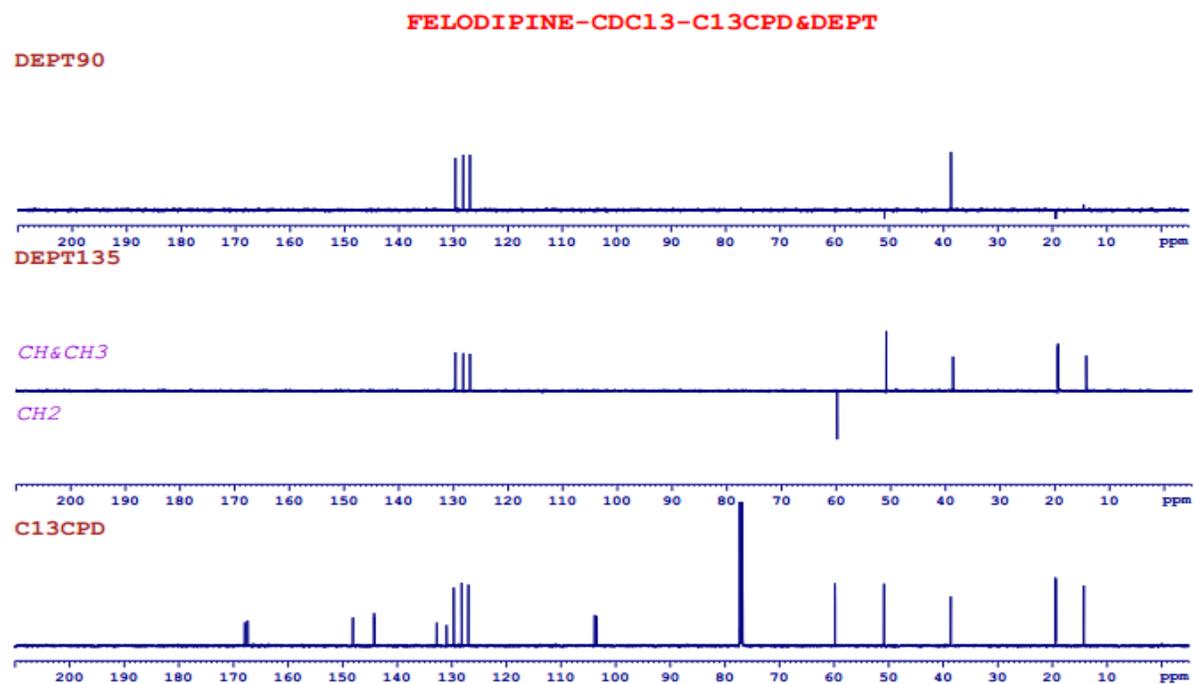


Figure 6. <sup>1</sup>H NMR spectra of felodipine.

Figure 7. <sup>13</sup>C NMR spectra of felodipine.Figure 8. <sup>13</sup>C&DEPT-NMR spectra of felodipine.

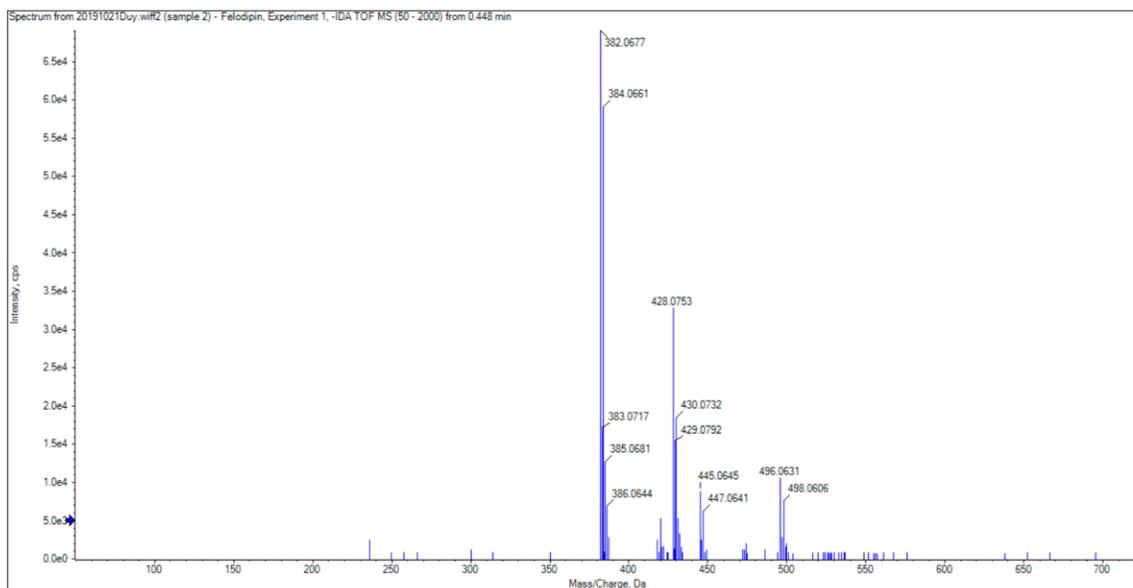


Sample name: Felodipin

Operator: Le Anh VHH

Method: +IDA TOF MS

Date: 2019.10.21



Hit	Formula	m/z	RDB	ppm	MS Rank
1	C <sub>18</sub> H <sub>19</sub> Cl <sub>2</sub> NO <sub>4</sub>	382.06184	9.0	15.4	1

Figure 9. HRMS spectra of felodipine.