

# Supplementary Information

## High Throughput Enzymatic Enantiomeric Excess: Quick-ee

Maria L. S. O. Lima,<sup>a</sup> Caroline C. S. Gonçalves,<sup>a</sup> Juliana C. Barreiro,<sup>b</sup>  
Quezia B. Cass<sup>b</sup> and Anita J. Marsaioli<sup>\*,a</sup>

<sup>a</sup>Institute of Chemistry, State University of Campinas, CP 6154, 13083-970 Campinas-SP, Brazil

<sup>b</sup>Department of Chemistry, Federal University of São Carlos, CP 676, 13565-905 São Carlos-SP, Brazil

### HPLC results

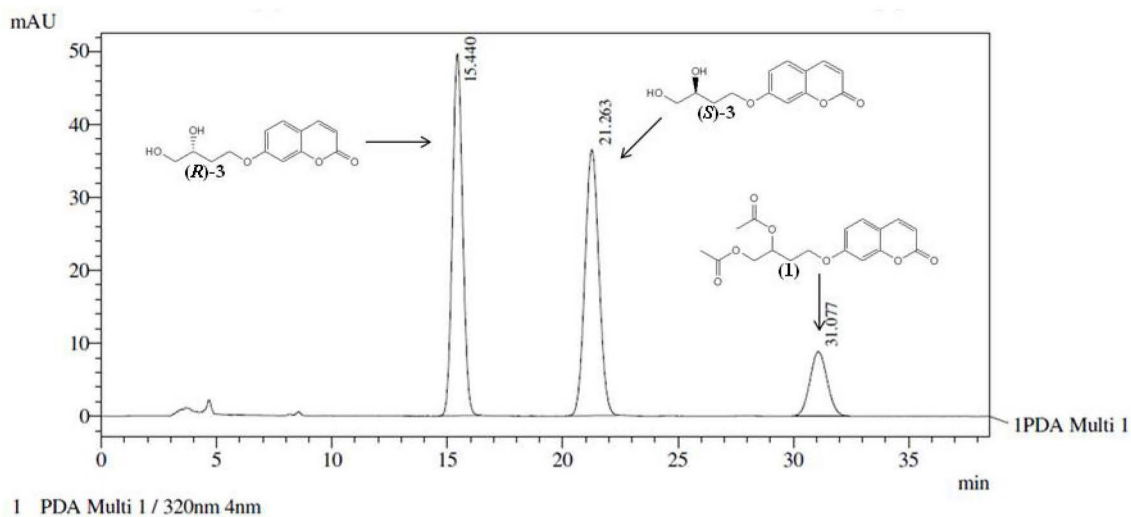
Chiral fluorogenics probes

Eluent: 4:6 ethanol/hexane

Flow: 1 mL min<sup>-1</sup>

Injection volume: 20 μL

λ<sub>abs</sub> = 320 nm



**Figure S1.** Chromatogram showing the separation of the compounds ((*R*)-3, (*S*)-3 and 1) involved in the assays (CHIRALPAK-IC (Daicel: 25 cm × 0.46 cm) column).

\*e-mail: anita@iqm.unicamp.br

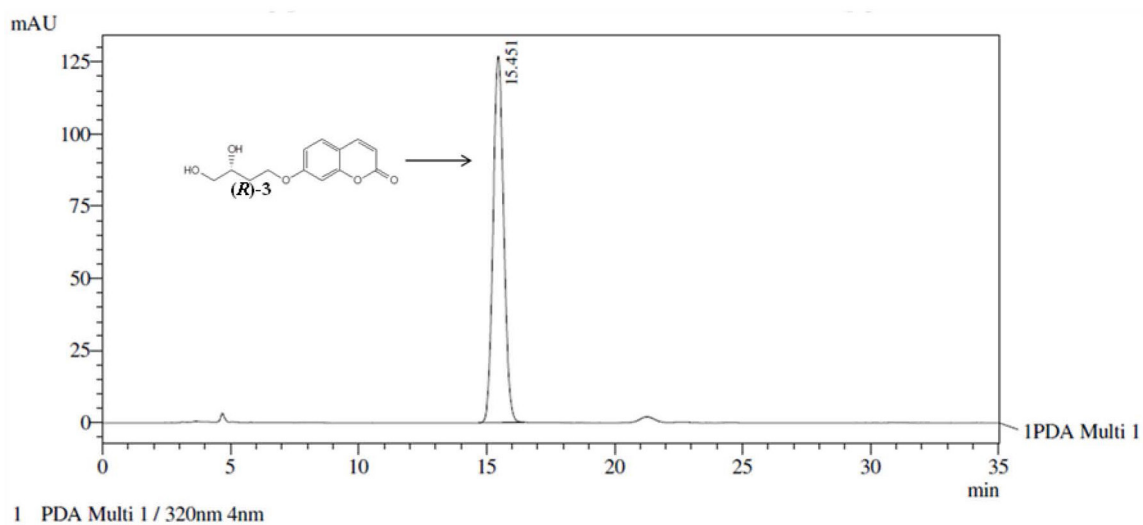


Figure S2. Chromatogram showing the retention time for compound (R)-3 (CHIRALPAK-IC (Daicel: 25 cm × 0.46 cm) column).

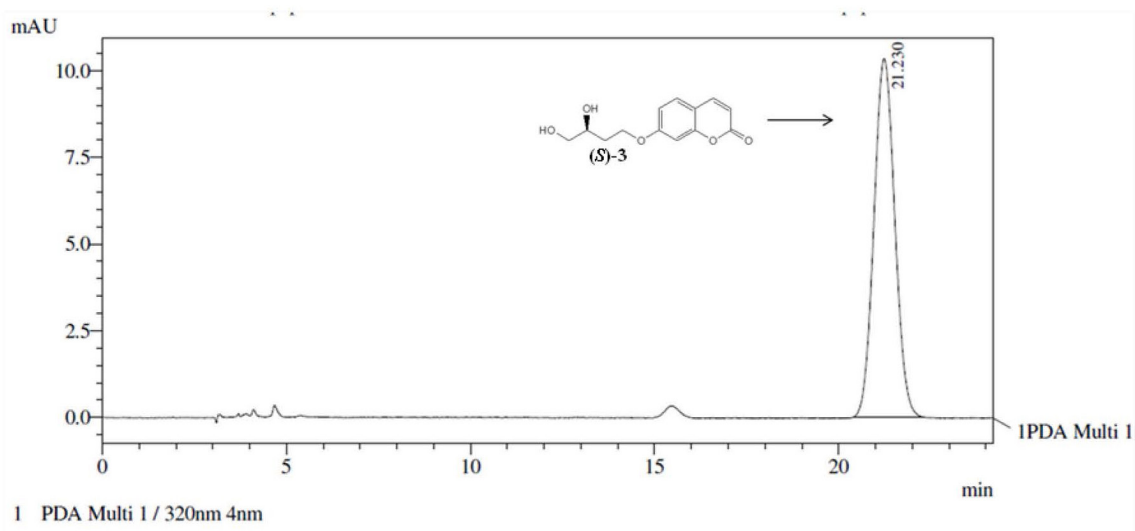


Figure S3. Chromatogram showing the retention time for compound (S)-3 (CHIRALPAK-IC (Daicel: 25 cm × 0.46 cm) column).

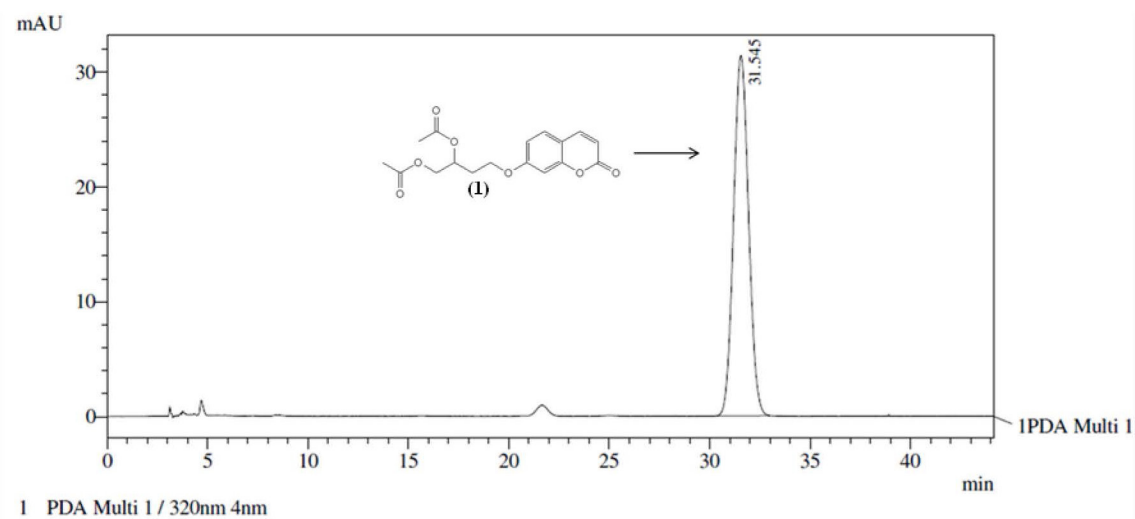


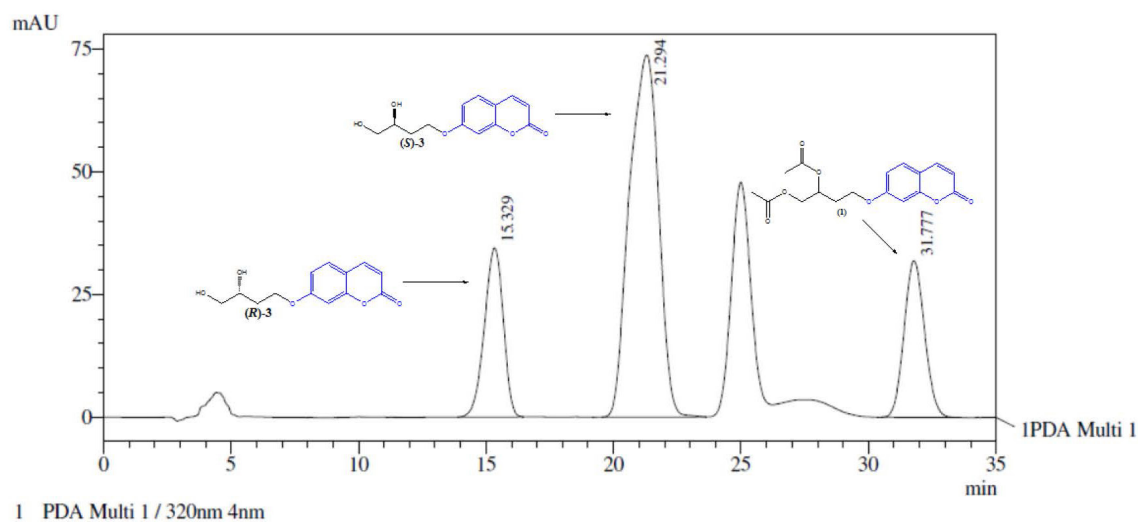
Figure S4. Chromatogram showing the retention time for compound 1 (CHIRALPAK-IC (Daicel: 25 cm × 0.46 cm) column).

## Biocatalysis transformations results

Eluent: 4:6 ethanol/hexane

Flow: 1 mL min<sup>-1</sup>

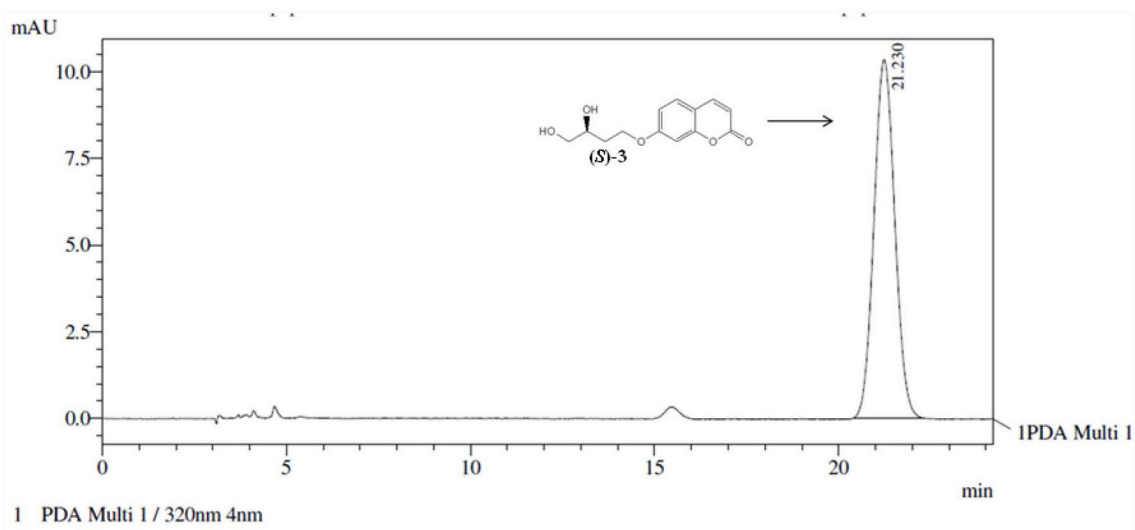
Injection volume: 20 µL

 $\lambda_{\text{abs}} = 320 \text{ nm}$ Lipase from *Aspergillus* (Sigma-Aldrich 84205)

**Figure S5.** Chromatogram showing the results from *Aspergillus*' lipase (Sigma-Aldrich 84205) (CHIRALPAK-IC (Daicel: 25 cm × 0.46 cm) column).

**Table S1.** Table of area, height and retention time obtained from HPLC with chiral column (CHIRALPAK-IC (Daicel: 25 cm × 0.46 cm) column) to the *Aspergillus*' lipase (Sigma-Aldrich 84205)

Peak	Retention time	Area	Height	Area / %	Height / %
1	15.329	1775030	34458	18.783	24.576
2	21.294	5885650	73847	62.280	52.668
3	31.777	1789693	31908	18.938	22.757
Total	–	9450373	140213	100.000	100.000

*Pseudomonas fluorescens* (CCT-7393)

**Figure S6.** Chromatogram showing the results from *Pseudomonas fluorescens* microorganism (CCT-7393) (CHIRALPAK-IC (Daicel: 25 cm × 0.46 cm) column).

**Table S2.** Table of area, height and retention time obtained from HPLC with chiral column (CHIRALPAK-IC (Daicel: 25 cm×0.46 cm) column) to the microorganism *Pseudomonas fluorescens* (CCT-7393)

Peak	Retention time	Area	Height	Area / %	Height / %
1	15.618	258464	7935	1.780	3.015
2	21.514	992459	24823	6.834	9.431
3	22.684	1704988	36663	11.740	13.930
4	31.916	11566541	193778	79.646	73.624
Total	–	14522452	263199	100.000	100.000