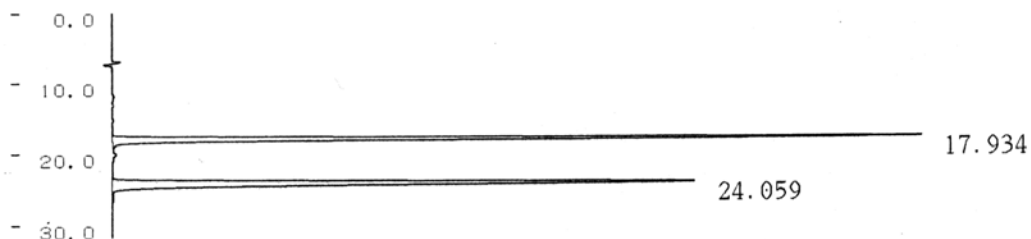


HPLC chart of racemic **8a**

C-R8A CHROMATOPAC CH=1 Report No.=5 DATA=1:@KI.C02 00/01/19 12:58:20

Sample Name :  
 Sample ID :  
 Operator : KEI INOUE  
 Comment : CHIRALPAK AS, i-PrOH : HEXANE = 1 : 19, FLOW = 0.5 ml/min. 35°C



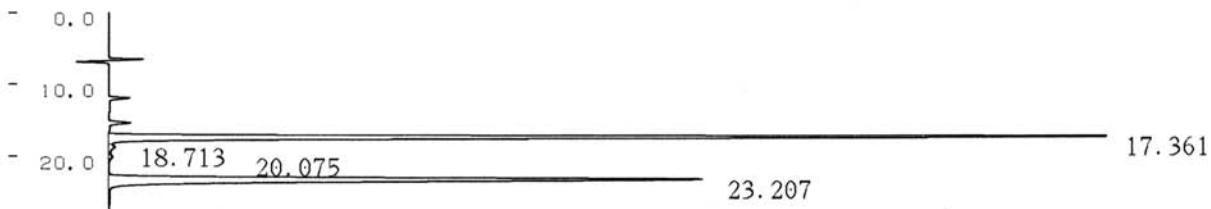
\*\* CALCULATION REPORT \*\*

| CH | PKNO | TIME   | AREA     | HEIGHT | MK | IDNO | CONC    | NAME |
|----|------|--------|----------|--------|----|------|---------|------|
| 1  | 1    | 17.934 | 5474186  | 206770 |    |      | 49.9427 |      |
|    | 2    | 24.059 | 5486740  | 147822 |    |      | 50.0573 |      |
|    |      | TOTAL  | 10960925 | 354592 |    |      | 100     |      |

HPLC chart of **8a** which obtained in the reaction in the presence of  $Yb[(S)ENP]_2$

C-R8A CHROMATOPAC CH=1 Report No.=11 DATA=1:@157A.C00 00/02/25 19:05:28

Sample Name : KI-147IIC  
 Sample ID :  
 Operator : KEI INOUE  
 Comment : CHIRALPAK AS, i-Pr/HEXANE = 1/19, FLOW = 0.5 mL/min. 35 C



\*\* CALCULATION REPORT \*\*

| CH | PKNO | TIME   | AREA    | HEIGHT | MK | IDNO | CONC    | NAME |
|----|------|--------|---------|--------|----|------|---------|------|
| 1  | 1    | 17.361 | 1884005 | 71128  |    |      | 56.3829 |      |
|    | 2    | 18.713 | 17214   | 423    | V  |      | 0.5152  |      |
|    | 3    | 20.075 | 9536    | 257    | V  |      | 0.2854  |      |
|    | 4    | 23.207 | 1430693 | 37912  | S  |      | 42.8165 |      |
|    |      | TOTAL  | 3341448 | 109720 |    |      | 100     |      |