

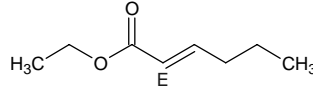
# ethyl trans-2-hexenoate

## エチル trans-2-ヘキセノエート

Formula C<sub>8</sub>H<sub>14</sub>O<sub>2</sub>

Mol. Wt. 142.20

CAS No. 27829-72-7



SEQ No. 882 エステル類

FEMA No. 3675

JECFA No. 1808

|                           | JFFMA                             | JECFA                             | FCC |
|---------------------------|-----------------------------------|-----------------------------------|-----|
| Chemical name             | ethyl trans-2-hexenoate           | Ethyl trans-2-hexenoate           |     |
| Content (NLT)             | 98.0 % (GC)                       | 95 %                              |     |
| Refractive index          | 1.430-1.438 (n <sub>20D</sub> )   | 1.429-1.434 (n <sub>20D</sub> )   |     |
| Specific gravity          | 0.898-0.905 (d <sub>20/20</sub> ) | 0.895-0.905 (d <sub>25/25</sub> ) |     |
| Acid value (NMT)          | 1.0                               |                                   |     |
| Melting/Congeealing point |                                   |                                   |     |
| Angular/Specific rotation |                                   |                                   |     |
| Heavy metals (NMT)        |                                   |                                   |     |
| Solubility in ethanol     |                                   | Soluble                           |     |
| Other requirements        |                                   |                                   |     |
| Identification*           | IR :1,5<br>MS :4,5<br>NMR :1      | HNMR IR                           |     |

### \*References

- 1: Joint FAO/WHO Expert Committee on Food Additive (JECFA)
- 2: Food Chemicals Codex (FCC)
- 3: 有機化合物のスペクトルデータベース SDBS(独立行政法人産業技術総合研究所)
- 4: Wiley's Registry of Mass spectral Database
- 5: NIST/EPA/NIH Mass Spectral Library
- 6: Sigma-Aldrich