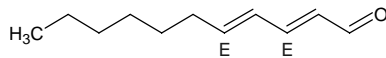


trans,trans-2,4-undecadienal

trans,trans-2,4-ウンデカジエナール

Formula C₁₁H₁₈O



Mol. Wt. 166.26

CAS No. 30361-29-6

SEQ No. 2449 脂肪族高級アルデヒド類

FEMA No. 3422

JECFA No. 1195

| | JFFMA | JECFA | FCC |
|---------------------------|---|-----------------------------------|-----|
| Chemical name | trans,trans-2,4-undecadienal | 2,4-Undecadienal | |
| Content (NLT) | 95.0 % (GC) sum of isomers (ee:min90%, ez:0.1-8.0%) | 99 % | |
| Refractive index | 1.505-1.515 (n _{20D}) | 1.500-1.505 (n _{20D}) | |
| Specific gravity | 0.863-0.873 (d _{20/20}) | 0.896-0.906 (d _{25/25}) | |
| Acid value (NMT) | 1.0 | 1 | |
| Melting/Congeealing point | | | |
| Angular/Specific rotation | | | |
| Heavy metals (NMT) | | | |
| Solubility in ethanol | | soluble | |
| Other requirements | | | |
| Identification* | IR : MS :4,5 NMR :1 | NMR | |

*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