

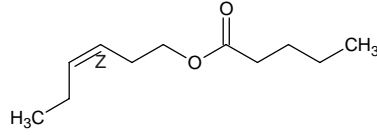
cis-3-hexenyl valerate

cis-3-ヘキセニル バレレート

Formula C₁₁H₂₀O₂

Mol. Wt. 184.28

CAS No. 35852-46-1



SEQ No. 1187 エステル類

FEMA No. 3936

JECFA No. 1278

| | JFFMA | JECFA | FCC |
|---------------------------|-----------------------------------|-----------------------------------|-----|
| Chemical name | cis-3-hexenyl valerate | cis-Hexenyl valerate | |
| Content (NLT) | 98.0 % (GC) sum of isomers | 97 % | |
| Refractive index | 1.431-1.439 (n _{20D}) | 1.432-1.438 (n _{20D}) | |
| Specific gravity | 0.881-0.889 (d _{20/20}) | 0.879-0.885 (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 :1 MS :4,5 NMR :1 | NMR 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