

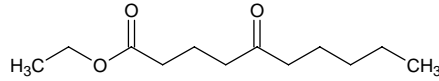
ethyl 5-oxodecanoate

エチル 5-オキソデカノエート

Formula C₁₂H₂₂O₃

Mol. Wt. 214.30

CAS No. 93919-00-7



SEQ No. 801 エステル類

FEMA No. 4457

JECFA No. 1961

| | JFFMA | JECFA | FCC |
|---------------------------|-----------------------------------|---------------------------------|-----|
| Chemical name | ethyl 5-oxodecanoate | Ethyl 5-oxodecanoate | |
| Content (NLT) | 98.0 % (GC) | 95 % | |
| Refractive index | 1.433-1.439 (n _{20D}) | 1.433-1.439 (n _{20D}) | |
| Specific gravity | 0.943-0.953 (d _{20/20}) | 0.943-0.953 (20°C) | |
| Acid value (NMT) | 1.0 | 1 | |
| Melting/Congeealing point | | | |
| Angular/Specific rotation | | | |
| Heavy metals (NMT) | | | |
| Solubility in ethanol | | Soluble | |
| Other requirements | | | |
| Identification* | IR :3 MS :1,3 NMR : | MS | |

*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