

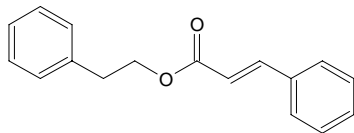
phenethyl cinnamate

フェネチル シンナメート

Formula C₁₇H₁₆O₂

Mol. Wt. 252.31

CAS No. 103-53-7



SEQ No. 2107 エステル類

FEMA No. 2863

JECFA No. 671

| | JFFMA | JECFA | FCC |
|---------------------------|---------------------------------|---------------------|-------------------------|
| Chemical name | phenethyl cinnamate | Phenethyl cinnamate | Phenyl Ethyl Cinnamate |
| Content (NLT) | 98.0 % (GC) | 98 % | 99.0 % GC(M-1b) |
| Refractive index | | | |
| Specific gravity | | | |
| Acid value (NMT) | 1.0 | 1.0 | 1.0 |
| Melting/Congeeing point | MP: 54 to 60°C | MP: min. 54°C | MP: NLT 54.0°C |
| Angular/Specific rotation | | | |
| Heavy metals (NMT) | | | |
| Solubility in ethanol | | moderately soluble | 1 mL in 1mL 95% ethanol |
| Other requirements | | | |
| Identification* | IR : 1.2.5 MS : 4,5 NMR : | IR | 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