

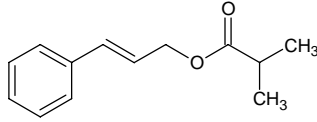
cinnamyl isobutyrate

シンナミル イソブチレート

Formula C₁₃H₁₆O₂

Mol. Wt. 204.26

CAS No. 103-59-3



SEQ No. 386 エステル類

FEMA No. 2297

JECFA No. 653

	JFFMA	JECFA	FCC
Chemical name	cinnamyl isobutyrate	Cinnamyl isobutyrate	Cinnamyl Isobutyrate
Content (NLT)	96.0 % (GC)	96 %	96.0 % GC(M-1b)
Refractive index	1.519-1.529 (n _{20D})	1.520-1.528 (n _{20D})	1.523-1.528 (n _{20D})
Specific gravity	1.005-1.015 (d _{20/20})	1.005-1.014 (d _{25/25})	1.006-1.009 (d _{25/25})
Acid value (NMT)	3.0	3.0	3.0
Melting/Congeealing point			
Angular/Specific rotation			
Heavy metals (NMT)			
Solubility in ethanol		miscible	1 mL in 1 mL 95% alc
Other requirements			
Identification*	IR :1,2 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