

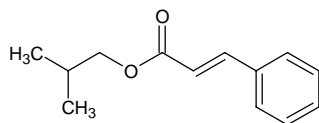
isobutyl cinnamate

イソブチル シンナメート

Formula C₁₃H₁₆O₂

Mol. Wt. 204.26

CAS No. 122-67-8



SEQ No. 1341 エステル類

FEMA No. 2193

JECFA No. 664

	JFFMA	JECFA	FCC
Chemical name	isobutyl cinnamate	Isobutyl cinnamate	Isobutyl Cinnamate
Content (NLT)	98.0 % (GC)	97 %	98.0 % sum of two isomers /GC(M1-b)
Refractive index	1.538-1.544 (n _{20D})	1.538-1.542 (n _{20D})	1.539-1.541 (n _{20D})
Specific gravity	1.003-1.009 (d _{20/20})	1.001-1.005 (d _{25/25})	1.001-1.004 (d _{25/25})
Acid value (NMT)	1.0	1.0	1.0
Melting/Congeealing point			
Angular/Specific rotation			
Heavy metals (NMT)			
Solubility in ethanol		miscible	1 mL in 3 mL 80% alc gives clear soln
Other requirements			
Identification*	IR : 1,2,5,6 MS : 4,5 NMR : 6	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