

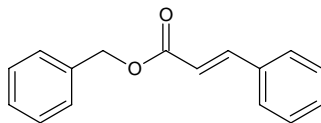
# benzyl cinnamate

## ベンジル シンナメート

Formula C<sub>16</sub>H<sub>14</sub>O<sub>2</sub>

Mol. Wt. 238.28

CAS No. 103-41-3



SEQ No. 219 エステル類

FEMA No. 2142

JECFA No. 670

	JFFMA	JECFA	FCC
Chemical name	benzyl cinnamate	Benzyl cinnamate	Benzyl Cinnamate
Content (NLT)	98.0 % (GC)	98 %	98.0 % GC(M-1b)
Refractive index			
Specific gravity			
Acid value (NMT)	1.0	1.0	1.0
Melting/Congeeing point	CP: 32 to 36°C	SP: min. 25°C	SP: 33.0 to 35.0°C
Angular/Specific rotation			
Heavy metals (NMT)			
Solubility in ethanol		very soluble	1 g in 8 mL 90% alc
Other requirements			Chlorinated Cmpds.- passes test
Identification*	IR :1,2,3,6 MS :3,4,5 NMR :3,6	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