

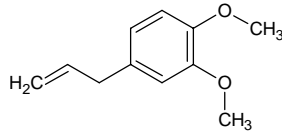
eugenyl methyl ether

オイゲニル メチル エーテル

Formula C₁₁H₁₄O₂

Mol. Wt. 178.23

CAS No. 93-15-2



SEQ No. 1831 フェノールエーテル類

FEMA No. 2475

JECFA No.

	JFFMA	JECFA	FCC
Chemical name	eugenyl methyl ether		Methyl Eugenol
Content (NLT)	98.0 % (GC)		98.0 % one major isomer GC(M-1b)
Refractive index	1.529-1.535 (n _{20D})		1.532-1.536 (n _{20D})
Specific gravity	1.030-1.040 (d _{20/20})		1.032-1.036 (d _{25/25})
Acid value (NMT)			
Melting/Congeealing point			
Angular/Specific rotation			
Heavy metals (NMT)			
Solubility in ethanol			1 mL in 2 mL 70% alc remains clear to 10 mL
Other requirements			Eugenol-1.0% (M-1b)
Identification*	IR : 1,3,6 MS : 1,3,4,5 NMR : 3,6		

*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