

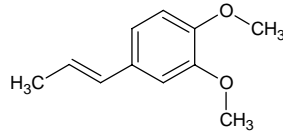
isoeugenyl methyl ether

イソオイゲニル メチル エーテル

Formula C₁₁H₁₄O₂

Mol. Wt. 178.23

CAS No. 93-16-3



SEQ No. 1665 フェノールエーテル類

FEMA No. 2476

JECFA No. 1266

	JFFMA	JECFA	FCC
Chemical name	isoeugenyl methyl ether	Isoeugenyl methyl ether	Methyl Isoeugenol
Content (NLT)	95.0 % (GC) sum of isomers, 通常cis体 10%を含む	95 %	85.0 % one isomer
Refractive index	1.561-1.577 (n _{20D})	1.566-1.569 (n _{20D})	1.566-1.569 (n _{20D})
Specific gravity	1.048-1.060 (d _{20/20})	1.047-1.053 (d _{25/25})	1.047-1.053 (d _{25/25})
Acid value (NMT)		1.0	
Melting/Congeealing point			
Angular/Specific rotation			
Heavy metals (NMT)			
Solubility in ethanol		soluble	1 mL in 2 mL 70% alc remains insoln to 10mL
Other requirements			Isoeugenol 1.0% /GC(M-1b)
Identification*	IR : 1,2,5 MS : 1,4,5 NMR :	IR MS	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