

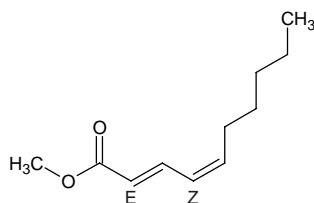
methyl trans,cis-2,4-decadienoate

メチル trans-2,cis-4-デカジエノエート

Formula C₁₁H₁₈O₂

Mol. Wt. 182.26

CAS No. 4493-42-9



SEQ No. 1583 エステル類

FEMA No. 3859

JECFA No. 1191

	JFFMA	JECFA	FCC
Chemical name	methyl trans,cis-2,4-decadienoate	Methyl (E)-2-(Z)-4-decadienoate	
Content (NLT)	97.0 % (GC) sum of isomers	93 %	
Refractive index	1.480-1.500 (n _{20D})	1.488-1.494 (n _{20D})	
Specific gravity	0.910-0.930 (d _{20/20})	0.917-0.923 (d _{25/25})	
Acid value (NMT)	1.0	1	
Melting/Congeealing point			
Angular/Specific rotation			
Heavy metals (NMT)			
Solubility in ethanol		soluble	
Other requirements		SC: (E,E) methyl 2,4-decadienoate	
Identification*	IR :1 MS :4,5 NMR :1	IR NMR	

*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