

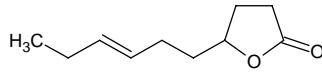
7-decen-4-olide

7-デセン-4-オリド

Formula C₁₀H₁₆O₂

Mol. Wt. 168.23

CAS No. 67114-38-9



SEQ No. 499 ラクトン類

FEMA No. 4439

JECFA No. 1992

	JFFMA	JECFA	FCC
Chemical name	7-decen-4-olide	7-Decen-4-olide	
Content (NLT)	98.0 % (GC)	96 % Mixture of isomers: 86-93% cis, 3-10% trans	
Refractive index	1.464-1.470 (n _{20D})	1.464-1.470 (n _{20D})	
Specific gravity	0.980-0.986 (d _{20/20})	0.979-0.986 (20°C)	
Acid value (NMT)	1.0		
Melting/Congeealing point			
Angular/Specific rotation			
Heavy metals (NMT)			
Solubility in ethanol		Soluble	
Other requirements			
Identification*	IR :1,3 MS :1,3 NMR :1	HNMR IR MS	

*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