

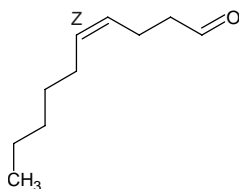
# cis-4-decenal

## cis-4-デセナール

Formula C<sub>10</sub>H<sub>18</sub>O

Mol. Wt. 154.25

CAS No. 21662-09-9



SEQ No. 505 脂肪族高級アルデヒド類

FEMA No. 3264

JECFA No. 326

	JFFMA	JECFA	FCC
Chemical name	cis-4-decenal	4-Decenal	(Z)-4-Decenal
Content (NLT)	95.0 % (GC) sum of isomers	95 % min. 90% trans- isomer	90.0 % GC(M-1a)
Refractive index	1.442-1.447 (n <sub>20D</sub> )	1.442-1.447 (n <sub>20D</sub> )	1.442-1.447 (n <sub>20D</sub> )
Specific gravity	0.843-0.850 (d <sub>20/20</sub> )	0.843-0.850 (d <sub>25/25</sub> )	0.843-0.850 (d <sub>25/25</sub> )
Acid value (NMT)	5.0		
Melting/Congeealing point			
Angular/Specific rotation			
Heavy metals (NMT)			
Solubility in ethanol			1 mL in 1 mL 95% ethanol
Other requirements			
Identification*	IR : 1,2,3(E),5 MS : 3(E),4,5 NMR : 3(E)	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