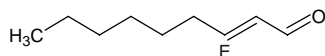


# trans-2-nonenal

## trans-2-ノネナル

Formula C<sub>9</sub>H<sub>16</sub>O



Mol. Wt. 140.22

CAS No. 18829-56-6

SEQ No. 1969 脂肪族高級アルデヒド類

FEMA No. 3213

JECFA No. 1362

	JFFMA	JECFA	FCC
Chemical name	trans-2-nonenal	2-Nonenal	(E)-2-Nonenal
Content (NLT)	93.0 % (GC) sum of isomers	92 % sum of cis/trans isomers	92.0 % one major isomer GC(M-1a)
Refractive index	1.448-1.458 (n <sub>20D</sub> )	1.454-1.460 (n <sub>20D</sub> )	1.450-1.460 (n <sub>20D</sub> )
Specific gravity	0.842-0.852 (d <sub>20/20</sub> )	0.855-0.865 (d <sub>25/25</sub> )	0.840-0.850 (d <sub>25/25</sub> )
Acid value (NMT)	10.0	10	
Melting/Congeealing point			
Angular/Specific rotation			
Heavy metals (NMT)			
Solubility in ethanol		Soluble	1 mL in 1 mL 95% alcohol
Other requirements		SC: 2-nonenoic acid	
Identification*	IR :1,2,3,6 MS :3,4,5 NMR :3,6	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