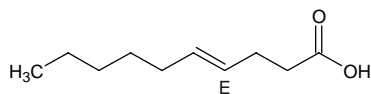


# trans-4-decenoic acid

## trans-4-デセノイック アシド

Formula C<sub>10</sub>H<sub>18</sub>O<sub>2</sub>

Mol. Wt. 170.25



CAS No. 57602-94-5

SEQ No. 510 脂肪酸類

FEMA No. 3914

JECFA No. 1287

	JFFMA	JECFA	FCC
Chemical name	trans-4-decenoic acid	4-Decenoic Acid	
Content (NLT)	98.0 % (Chem)	97 %	
Refractive index	1.445-1.452 (n <sub>20D</sub> )	0.915-0.925 (n <sub>20D</sub> )	
Specific gravity	0.913-0.920 (d <sub>20/20</sub> )	1.140-1.160 (20°C)	
Acid value (NMT)			
Melting/Congeealing point			
Angular/Specific rotation			
Heavy metals (NMT)			
Solubility in ethanol		soluble	
Other requirements			
Identification*	IR :1 MS :1,4 NMR :1	NMR 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