

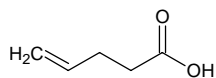
## 4-pentenoic acid

### 4-ペンテノイック アシド

Formula C<sub>5</sub>H<sub>8</sub>O<sub>2</sub>

Mol. Wt. 100.12

CAS No. 591-80-0



SEQ No. 2085 脂肪酸類

FEMA No. 2843

JECFA No. 314

	JFFMA	JECFA	FCC
Chemical name	4-pentenoic acid	4-Pentenoic acid	
Content (NLT)	97.0 % (GC)	97.0 %	
Refractive index	1.424-1.432 (n <sub>20D</sub> )	1.425-1.431 (n <sub>20D</sub> )	
Specific gravity	0.974-0.986 (d <sub>20/20</sub> )	0.970-0.990 (20°C)	
Acid value (NMT)			
Melting/Congeealing point			
Angular/Specific rotation			
Heavy metals (NMT)			
Solubility in ethanol			
Other requirements			
Identification*	IR :1,3 MS :3,4,5 NMR :3,6	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