

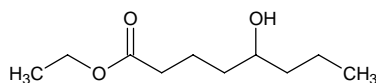
# ethyl 5-hydroxyoctanoate

## エチル 5-ヒドロキシオクタノエート

Formula C<sub>10</sub>H<sub>20</sub>O<sub>3</sub>

Mol. Wt. 188.26

CAS No. 75587-05-2



SEQ No. 800 エステル類

FEMA No. 4610

JECFA No. 1987

	JFFMA	JECFA	FCC
Chemical name	ethyl 5-hydroxyoctanoate	Ethyl 5-hydroxyoctanoate	
Content (NLT)	97.0-102.0% (Chem)	50 %	
Refractive index	1.435-1.448 (n <sub>20D</sub> )	1.438 - 1.448 (n <sub>20D</sub> )	
Specific gravity	0.960-0.970 (d <sub>20/20</sub> )	0.960 - 0.970 (20° )	
Acid value (NMT)	5.0		
Melting/Congeealing point			
Angular/Specific rotation			
Heavy metals (NMT)			
Solubility in ethanol		Soluble	
Other requirements		SC: 5-6% Ethanol; 17-18% 1,5-Octanolide; 21-24% 5-Hydroxydecanoic acid and Ethyl- 5 hydroxyoctanoate ester	
Identification*	IR : MS :1,4 NMR :	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