

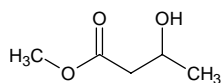
methyl 3-hydroxybutyrate

メチル 3-ヒドロキシブチレート

Formula C₅H₁₀O₃

Mol. Wt. 118.13

CAS No. 1487-49-6



SEQ No. 1604 エステル類

FEMA No. 4450

JECFA No. 1947

	JFFMA	JECFA	FCC
Chemical name	methyl 3-hydroxybutyrate	Methyl 3-hydroxybutyrate	
Content (NLT)	98.0 % (GC)	98 %	
Refractive index	1.417-1.425 (n _{20D})	1.417-1.425 (n _{20D})	
Specific gravity	1.053-1.061 (d _{20/20})	1.053-1.061 (20°C)	
Acid value (NMT)	1.0	1	
Melting/Congeealing point			
Angular/Specific rotation			
Heavy metals (NMT)			
Solubility in ethanol		Soluble	
Other requirements			
Identification*	IR :3 MS :1,3,4,5 NMR :1,3	CNMR HNMR 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