

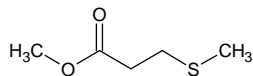
methyl 3-(methylthio)propionate

メチル 3-(メチルチオ)プロピオネート

Formula C₅H₁₀O₂S

Mol. Wt. 134.20

CAS No. 13532-18-8



SEQ No. 1598 エステル類

FEMA No. 2720

JECFA No. 472

	JFFMA	JECFA	FCC
Chemical name	methyl 3-(methylthio)propionate	Methyl 3-methylthiopropionate	Methyl-3-methylthiopropionate
Content (NLT)	98.0 % (GC)	97 %	97.0 % GC(M-1a)
Refractive index	1.463-1.469 (n _{20D})	1.462-1.468 (n _{20D})	1.462-1.468 (n _{20D})
Specific gravity	1.073-1.079 (d _{20/20})	1.069-1.078 (d _{25/25})	1.069-1.078 (d _{25/25})
Acid value (NMT)	1.0	1.0	1.0
Melting/Congeealing point			
Angular/Specific rotation			
Heavy metals (NMT)			
Solubility in ethanol			1 mL in 1 mL 95% ethanol
Other requirements			
Identification*	IR : 1,2,3 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