

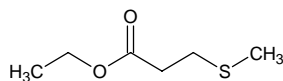
# ethyl 3-(methylthio)propionate

## エチル 3-(メチルチオ)プロピオネート

Formula C<sub>6</sub>H<sub>12</sub>O<sub>2</sub>S

Mol. Wt. 148.22

CAS No. 13327-56-5



SEQ No. 773 エステル類

FEMA No. 3343

JECFA No. 476

	JFFMA	JECFA	FCC
Chemical name	ethyl 3-(methylthio)propionate	Mthyl 3-methylthiopropionate	Ethyl 3-Methylthiopropionate
Content (NLT)	98.0 % (GC)	99 %	99.0 % GC(M-1b)
Refractive index	1.457-1.463 (n <sub>20</sub> D)	1.457-1.463 (n <sub>20</sub> D)	1.457-1.463 (n <sub>20</sub> D)
Specific gravity	1.035-1.041 (d <sub>20</sub> /20)	1.030-1.035 (d <sub>25</sub> /25)	1.030-1.035 (d <sub>25</sub> /25)
Acid value (NMT)	1.0	1.0	
Melting/Congeaing point			
Angular/Specific rotation			
Heavy metals (NMT)			
Solubility in ethanol		1 mL in 1 mL 95% alcohol	1 mL in 1 mL 95% ethanol
Other requirements			
Identification*	IR :1,2 MS :4,5 NMR :	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